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A Brand of Quality to Rely On...
PPI ADHESIVE PRODUCTS LIMITED was originally established in 1970 and commenced production at Waterford Industrial Estate in 1971.

The company, which is owned and managed by its Irish board of directors, produces a very extensive and sophisticated range of technical self-adhesive tapes for a very wide range of applications, notably in the electrical, electronic, audio/video, magnetic media, aerospace and photographic sectors. In addition the company produces a wide range of tapes for specialised industrial and high-tech applications.

PPI products are exported to more than forty countries worldwide and are approved by many of the leading multinational companies in the above mentioned industries. The products meet most of the major international standards, eg. EN, VDE, DIN, BSS, IEC, ASTM, UL, MIL, AFERA and CEN and the company is registered under the I.S. EN ISO 9001 quality system.

PPI Adhesive Products Ltd. has two production facilities in Ireland and maintains its own PPI sales companies in Germany, Hong Kong, Korea, Malaysia, Singapore, Slovakia, South Africa, UAE (Dubai), UK and USA. The company is also represented worldwide by PPI authorised distributors. Other manufacturing companies within the group include Technical Adhesive Products Ltd., a producer of precision die-cut self-adhesive components for electrical, electronic and general industrial applications and Valentia Industries Ltd. which is a quality producer of siliconised release films. The company maintains its own independent Research and Development company also based in Waterford.
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SPlicing Tapes for the Manufacture of Floor Coverings

PRESSURE SENSITIVE

PPI 731
Adhesive Coating: Single-Sided
Base: Creped Paper
Total Thickness: 0.230mm (9.2 mil)
Adhesive Strength: 5.5 N/cm (50 oz/in)
Tensile Strength: 30 N/cm (17 lbs/in)
Adhesive: Acrylic Resin

A single-sided pressure sensitive tape combining high temperature (ca. 220°C/428°F) and high shear resistance. PPI-731 is ideally suited for butt splicing a variety of substrates (e.g. Non-Wovens and coated fabrics). Its adhesive also possesses excellent PVC plasticiser resistance and as a result PPI-731 has been widely accepted as a high quality splicing tape, particularly in the PVC Floor Covering Manufacturing Industry.

PPI RD-289 A
Adhesive Coating: Double sided
Base: Non-woven Cellulose
Total Thickness: 0.190mm (7.6 mil)
Adhesive Strength: 12 N/cm (108 oz/in)
Adhesive: Acrylic resin
Interliner: Silicone paper

A high-tack, double sided tape with a special fleece reinforcement. PPI RD-289A is coated with an acrylic adhesive which combines excellent adhesion to a wide range of surfaces (e.g. Metals & Plastics), with very good long-term UV and age resistance. Ideal for general purpose mounting and splicing applications (e.g. Splicing of glass fibremat used in the production of floor coverings). Maximum temperature resistance 180°C (320°F).

PPI RD-594
Adhesive Coating: Silicinised paper
Total Thickness: 0.065mm (2.6 mil)
0.100mm (4.0 mil)
0.230mm (8.6 mil)
Adhesive: Heat Activated/ Heat Curing
Colour: Natural

PPI RD-594 is a layer of dry, heat-activated, heat curing adhesive suitable for overlap splicing of various materials including heavy gauge woven fabrics (e.g. Jute for carpet manufacture, glass fabrics etc.) RD-594 is supplied on a silicinised paper interliner. Heat activation of the adhesive will form high shear strength bonds which can be improved upon curing of the adhesive. Recommended activation conditions range from 10-30 seconds at 180-230°C.

PPI RD-685
Supporting Base: Silicinised paper
Total Thickness: 0.065mm (2.6 mil)
0.100mm (4.0 mil)
0.200mm (8.0 mil)
Adhesive: Heat Activated / Heat Curing
Colour: Natural

PPI RD-685 is almost identical in construction to RD-594. However, upon curing of this adhesive, the bond will exhibit superior resistance to certain solvents (e.g. acetone).

PPI SP-2166
Adhesive Coating: Single sided
Supporting base: Crepe paper/Glasscloth
Total Thickness: 0.300mm (12 mil)
Tensile strength: 200 N/cm (115 lbs/in)
Adhesive: Heat Activated / Heat Curing

SP-2166 is based on a crepe paper/glass fabric reinforcement which is coated on one side with a heat activated, heat curing adhesive. The product is ideal for butt splicing of woven and non-woven substrates used during the manufacture of floor coverings. SP-2166 exhibits high tensile strength due to the glass fabric reinforcement.
SPLICING TAPES FOR INDUSTRIAL USE

**PPI 105**

- **Adhesive coating:** Single sided
- **Base:** Polyester film
- **Total thickness:** 0.055mm (2.2 mil) / 0.065mm (2.4 mil) / 0.080mm (3.2 mil)
- **Adhesive strength:** 3.4 N/cm (30.5 oz/in) / 40 N/cm (33 lbs/in) / 60 N/cm (54 lbs/in)
- **Tensile strength:** 40 N/cm (23 lbs/in) / 60 N/cm (34.5 lbs/in) / 80 N/cm (46 lbs/in)
- **Adhesive:** Polysiloxane
- **Colour:** Colourless

A tear resistant splicing tape based on durable polyester film. It is recommended for splicing of silicone coated papers and films. It possesses excellent high temperature shear and age resistance and will maintain its adhesion to silicone surfaces up to 200°C (392°F), short time exposure.

**Note:** For easy identification of the splice, a colour version of PPI 105 is available. Ref:PPI 106

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**PPI SP-459**

- **Adhesive coating:** Single sided
- **Base:** Polyester film
- **Total thickness:** 0.060mm (2.4 mil) / 0.070mm (2.8 mil)
- **Adhesive strength:** 4.5 N/cm (41 oz/in) / 40 N/cm (23 lbs/in) / 60 N/cm (34.5 lbs/in)
- **Tensile strength:** 40 N/cm (23 lbs/in) / 60 N/cm (34.5 lbs/in)
- **Adhesive:** Polysiloxane
- **Colour:** Colourless, Blue and Red Transparent

Silicone adhesive based splicing tape specially formulated to give very high initial grab to silicone surfaces. It is particularly suited to splicing of siliconised papers and films where high initial adhesion and good shear are required. For example, in siliconising processes with very short splice times. Temperature resistant up to 180°C (356°F).

**PPI SP-459-S6** is supplied on an interliner. The reverse side of the tape has been coated with a release coating to provide a continuous release over the splice area.

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**PPI PPI RD-678**

- **Adhesive coating:** Single sided
- **Base:** Polyester film
- **Total thickness:** 0.070mm (2.8 mil) / 0.085mm (3.4 mil)
- **Adhesive strength:** 3.5 N/cm (31.5 oz/in) / 60 N/cm (34.5 lbs/in) / 80 N/cm (46.0 lbs/in)
- **Tensile strength:** 60 N/cm (34.5 lbs/in) / 80 N/cm (46.0 lbs/in)
- **Adhesive:** Polysiloxane
- **Colour:** Colourless, Blue and Red Transparent

RD-678 is a self wound version of SP-459-S6. The reverse side of the tape has been coated with a special high quality release designed to release all materials including silicones. Used for splicing master rolls of silicone paper which will be later used in the manufacture of leatherette products.

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**PPI RD-203E**

- **Adhesive coating:** Single sided
- **Base:** Polyester film
- **Total thickness:** 0.050mm (2 mil) / 0.125mm (5 mil)
- **Adhesive strength:** 18 N/cm (162 oz/in) / 80 N/cm (46 lbs/in)
- **Tensile strength:** 80 N/cm (46 lbs/in)
- **Adhesive:** Synthetic rubber
- **Interliner:** Silicone paper

**PPI RD-203E** adhesive has been specifically formulated to achieve maximum shear and adhesion. The adhesive will also adhere aggressively to both metal and plastic surfaces including the "difficult to adhere to" plastics such as polypropylene and polyethylene. Therefore, the tape has been approved for many niche applications where standard adhesives are unsatisfactory. One such application is for the splicing of draught excluders in the automotive industry. Maximum temperature resistance 130°C (266°F).

---

**PPI 1040**

- **Adhesive coating:** Single sided
- **Base:** Polyester film
- **Total thickness:** 0.050mm (2 mil)
- **Adhesive strength:** 2.5 N/cm (22.5 oz/in) / 40 N/cm (23 lbs/in)
- **Elongation:** 80-120%
- **Adhesive:** Acrylic resin
- **Colour:** Yellow

A splicing tape with a high shear acrylic adhesive, PPI 1040 is suitable for all general purpose splicing of paper or plastic substrates. The adhesive combines excellent UV, solvent and age resistance, with a temperature resistance of 160°C (320°F) maximum. Applications include the splicing of polyester film during the coating of audio-video magnetic tape.
MASKING TAPES

- POWDER COATING
- GENERAL APPLICATIONS
- PLASMA & HVOF SPRAYING

PPI SP-510

Adhesive Coating: Single-Sided
Base: Polyester Film
Total Thickness: 0.055mm (2.2 mil)
Adhesive Strength: 2.0 N/cm (18 oz/in)
Tensile Strength: 40 N/cm (23 lbs/in)
Adhesive: Polysiloxane
Colour: Colourless, Blue & Red

PPI SP-510 is recommended as a general purpose masking tape for powder coating applications. Available in a range of thicknesses, PPI SP-510 enables fine line masking to be achieved and leaves no adhesive residue when removed. Resists baking temperatures up to 200°C (392°F).

PPI 255

Adhesive Coating: Single-Sided
Base: Creped Paper
Total Thickness: 0.14mm (5.6 mil)
Adhesive Strength: 2.0 N/cm (18 oz/in)
Tensile Strength: 35 N/cm (20 lbs/in)
Adhesive: Polysiloxane

Based on an impregnated paper backing, PPI 255 is ideal for masking irregular surfaces. The paper backing is highly conformable and resists baking temperatures up to 200°C (392°F). The tape will leave no adhesive residue upon removal.

PPI RD-714

Adhesive Coating: Single-Sided
Base: Reinforced Polyester Film
Total Thickness: 0.160mm (5.4 mil)
Adhesive Strength: 3.0 N/cm (27 oz/in)
Tensile Strength: 65 N/cm (37.5 lbs/in)
Adhesive: Polysiloxane
Colour: Amber

PPI RD-714 is based on reinforced polyester film construction. This, in combination with a high quality silicone adhesive layer, ensures perfect masking of a wide variety of surfaces even after exposure to temperatures up to 200°C (392°F). RD-714 is particularly suitable for direct masking onto powder coated surfaces for multi-layer coating applications.

PPI SP-139

Adhesive Coating: Single-Sided
Base: Polyester Film
Total Thickness: 0.040mm (1.5 mil)
Adhesive Strength: 2.5 N/10cm (9 oz/4 inches)
Tensile Strength: 40 N/cm (23 lbs/in)
Adhesive: Acrylic Resin

Based on a silicone free adhesive, PPI SP-139 is suitable for masking and surface protection applications. For example, the protection of metal plates or PC boards during storage or transportation. It can be cleanly removed from any surface without adhesive residue. It has been approved for several niche applications, for example, as a powder coat masking tape for bus-bars used in transformer manufacture. It resists temperatures up to 180°C (356°F), short term.

Note: Other thicknesses and colours are available on request.
<table>
<thead>
<tr>
<th><strong>PPI 904-6</strong></th>
<th>A masking tape with applications in both painting and paint stripping operations. The aluminium foil backing provides excellent surface conformability and impermeability to moisture and aggressive chemicals. Therefore, it is unaffected by exposure to paint or paint stripping chemicals. PPI 904-6 has found widespread acceptance in a number of repair/maintenance applications, particularly in aircraft maintenance. Note: PPI RD-424B is a self wound version of PPI 904-6. It has good adhesion to its backing. This prevents any tape delaminating when overlapped.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Adhesive Coating:</strong> Single-Sided</td>
<td><strong>Base:</strong> Aluminium Foil</td>
</tr>
<tr>
<td><strong>Total Thickness:</strong> 0.13mm (5.2 mil)</td>
<td><strong>Adhesive Strength:</strong> 4.5 N/cm (41 oz/in)</td>
</tr>
<tr>
<td><strong>Adhesive Strength:</strong> 75 N/cm (43 lbs/in)</td>
<td><strong>Interliner:</strong> Silicone Paper</td>
</tr>
<tr>
<td><strong>Adhesive:</strong> Acrylic Resin</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>PPI 701</strong></th>
<th>PPI 701 is based on polyimide film with a special silicone adhesive. It possesses the highest heat resistance of all the PPI powder coating masking tapes. Even after extreme baking conditions (300°C/572°F for 1 hour), the adhesive will still maintain its adhesion and flexibility. This combination ensures perfect masking on a wide variety of surfaces. PPI 701 can be removed after baking with no adhesive residue.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Adhesive Coating:</strong> Single-Sided</td>
<td><strong>Base:</strong> Polyimide Film</td>
</tr>
<tr>
<td><strong>Total Thickness:</strong> 0.055mm (2.2 mil)</td>
<td><strong>Adhesive Strength:</strong> 2.0 N/cm (18 oz/in)</td>
</tr>
<tr>
<td><strong>Adhesive Strength:</strong> 0.080 mm (3.2 mil)</td>
<td><strong>Tensile Strength:</strong> 50 N/cm (28 lbs/in)</td>
</tr>
<tr>
<td><strong>Adhesive Strength:</strong> 2.0 N/cm (18 oz/in)</td>
<td><strong>Tensile Strength:</strong> 100 N/cm (56 lbs/in)</td>
</tr>
<tr>
<td><strong>Adhesive:</strong> Polysiloxane</td>
<td></td>
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</tbody>
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<table>
<thead>
<tr>
<th><strong>PPI 9815</strong></th>
<th>A combination of aluminium foil with glasscloth, the aluminium surface reflects radiant heat while the glasscloth reinforcement provides very high tensile strength. Applications include masking during plasma spraying. Short term heat resistance up to 600°C (1112°F).</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Adhesive Coating:</strong> Single-Sided</td>
<td><strong>Base:</strong> Aluminium Foil/Glasscloth</td>
</tr>
<tr>
<td><strong>Total Thickness:</strong> 0.15mm (6 mil)</td>
<td><strong>Adhesive Strength:</strong> 4.2 N/cm (38 oz/in)</td>
</tr>
<tr>
<td><strong>Tensile Strength:</strong> 200 N/cm (115 lbs/in)</td>
<td><strong>Adhesive:</strong> Polysiloxane</td>
</tr>
<tr>
<td><strong>Adhesive:</strong> Polysiloxane</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>PPI 8415</strong></th>
<th>PPI 8415 is based on glasscloth coated with a polysiloxane adhesive. The glasscloth substrate provides excellent tensile and high temperature properties. The polysiloxane adhesive also possesses very good high temperature stability. It is recommended for all specialist applications (masking, protecting) which require exceptional heat resistance (e.g. plasma spray welding).</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Adhesive coating:</strong> Single sided</td>
<td><strong>Base:</strong> Glasscloth</td>
</tr>
<tr>
<td><strong>Total thickness:</strong> 0.155mm (6.2 mil)</td>
<td><strong>Adhesive strength:</strong> 4.0 N/cm (36 oz/in)</td>
</tr>
<tr>
<td><strong>Tensile strength:</strong> 250 N/cm (140 lbs/in)</td>
<td><strong>Adhesive:</strong> Polysiloxane</td>
</tr>
<tr>
<td><strong>Adhesive:</strong> Polysiloxane</td>
<td><strong>Colour:</strong> White</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>PPI RD-692</strong></th>
<th>RD-692 is a high tack version of PPI 8415. Due to its high performance adhesive, RD-692 is recommended for use in specialist applications where good initial grab/adhesion to difficult surfaces and materials is required. RD-692 has exceptional heat resistance and is used for plasma spray masking.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Adhesive coating:</strong> Single sided</td>
<td><strong>Base:</strong> Glasscloth</td>
</tr>
<tr>
<td><strong>Total thickness:</strong> 0.185mm (7.4 mil)</td>
<td><strong>Adhesive strength:</strong> 4.5 N/cm (41 oz/in)</td>
</tr>
<tr>
<td><strong>Tensile strength:</strong> 250 N/cm (140 lbs/in)</td>
<td><strong>Adhesive:</strong> Polysiloxane</td>
</tr>
<tr>
<td><strong>Adhesive:</strong> Polysiloxane</td>
<td><strong>Colour:</strong> White</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>PPI 8416</strong></th>
<th>PPI 8416 is a high temperature resistant double sided tape based on glasscloth which is coated on both sides with a polysiloxane adhesive. This combination makes PPI 8416 particularly suitable for high temperature plasma spray masking, laminating and mounting applications. Short term heat resistance up to 400°C.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Adhesive coating:</strong> Double sided</td>
<td><strong>Base:</strong> Glasscloth</td>
</tr>
<tr>
<td><strong>Total thickness:</strong> 0.120mm (4.8 mil)</td>
<td><strong>Adhesive strength:</strong> 5.0 N/cm (45 oz/in)</td>
</tr>
<tr>
<td><strong>Tensile strength:</strong> 170 N/cm (98 lbs/in)</td>
<td><strong>Adhesive:</strong> Polysiloxane</td>
</tr>
<tr>
<td><strong>Adhesive:</strong> Polysiloxane</td>
<td><strong>Liner:</strong> Siliconised polyester</td>
</tr>
</tbody>
</table>
**PPI LM-745**
Adhesive Coating: Single-Sided  
Base: Glasscloth  
Total Thickness: 0.325 mm (13.0 mil)  
Adhesive Strength: 4.5 N/cm (40.5 oz/in)  
Adhesive: Polysiloxane  
Colour: White

LM-745 and LM-681 are unique layered laminates of glass fabric coated on one side with high performance polysiloxane adhesive. These products are designed for use as masking tapes for the plasma spray industry. They are very durable and resistant to grit blasting processes associated with plasma spraying, while remaining quite conformable.

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**PPI LM-681**
Adhesive Coating: Single-Sided  
Base: Glasscloth  
Total Thickness: 0.500 mm (20.0 mil)  
Adhesive Strength: 4.5 N/cm (40.5 oz/in)  
Adhesive: Polysiloxane  
Colour: White

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**PPI LM-743**
Adhesive Coating: Single-Sided  
Base: Glasscloth / Copper Foil Laminate  
Total Thickness: 0.560 mm (22.4 mil)  
Adhesive Strength: 4.5 N/cm (40.5 oz/in)  
Adhesive: Polysiloxane  
Colour: Light Pink

LM-743 and LM-744 have been designed specifically as masking tapes for HVOF (High Velocity Oxygen Fuel) masking processes. Due to their unique glass fabric/metal foil construction, both of these tapes are very conformable and malleable. Therefore they are ideal for masking irregular shapes under extreme processing conditions. In addition, their robust constructions ensure that the products withstand even the most vigorous grit blasting process.

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**PPI LM-744**
Adhesive Coating: Single-Sided  
Base: Glasscloth / Copper Foil Laminate  
Total Thickness: 0.580 mm (23.2 mil)  
Adhesive Strength: 4.5 N/cm (40.5 oz/in)  
Adhesive: Polysiloxane  
Colour: Light Pink

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**PPI LM-766**
Adhesive coating: Single sided  
Base: Glasscloth/Aluminium  
Total thickness: 0.325mm (13 mil)  
Adhesive strength: 6.0 N/cm (54 oz/in)  
Adhesive: Polysiloxane  
Colour: White  
Interliner: Polyester release film

LM-766 is a very robust product based on a laminate of thick aluminium foil combined with glassfabric and high temperature resistant silicone adhesive. Due to this laminate construction the tape is a very rigid product and can withstand the most vigorous grit blasting associated with the thermal spray industry.
PPI 1022

Adhesive coating: Single sided
Base: Polyester film
Total thickness: 0.060mm (2.4 mil)
Adhesive strength: 3.0 N/cm (27 oz/in)
Tensile strength: 40 N/cm (23 lbs/in)
Adhesive: Polysiloxane
Colour: Blue & transparent

PPI 1022 is a polyester film based tape with a silicone adhesive, which has excellent temperature stability and long term removability even after heat exposure. It is widely used as a wrapping/holding tape, securing the bag and other components onto the mould during the vacuum bagging process. Upon cooling, it can be rapidly removed without adhesive residue thus ensuring no delays in the production process, even after exposure to temperatures in the region of 180°C for periods of 16 hours.

PPI 645

Adhesive coating: Single sided
Base: Crepe paper
Total thickness: 0.200mm (8.0 mil)
Adhesive strength: 4.5 N/cm (40.5 oz/in)
Tensile strength: 40 N/cm (23 lbs/in)
Adhesive: Special
Colour: Buff

PPI 645 is a paper based paint masking tape suitable for general and elevated temperature masking applications. It is hand tearable, easy to apply and can be used in applications where temperatures of up to 260°C /short term can exist. This tape is suitable as a paint masking medium on aluminium and steel components of aero engines.

PPI SP-459

Adhesive coating: Single sided
Base: Polyester film
Total thickness: 0.060mm (2.4 mil)
Adhesive strength: 3.5 N/cm (31.5 oz/in)
Tensile strength: 40 N/cm (23 lbs/in)
Adhesive: Polysiloxane
Colour: Blue, colourless & black

PPI SP-459 is based on a polyester film coated with a high adhesion silicone adhesive layer. It can be found in two distinctive applications in the composite manufacturing industry. PPI SP-459 is used during the painting process where its superior chemical resistance to solvents and its residue free removability make it an ideal fine line masking tape. Alternatively it can be used as a mould gap covering tape. To simplify the production of larger composite parts (boats, etc), the moulds tend to come in sections which are bolted together to produce the final mould shape. Where gaps exist between the mould sections, PPI SP-459 is used to provide a gap cover and seamless surface finish.

In addition to these tapes used in the composite industry, Valentia Industries Ltd. (part of the PPI group of companies) produces a comprehensive range of release films. These offer excellent release over a wide temperature range from pre-pegs and other such heat activated adhesive composite systems.
LAMINATING AND MOUNTING TAPES

PPI RD-289 A
Adhesive Coating: Double-Sided
Base: Non-Woven Cellulose
Total Thickness: 0.19mm (7.5 mil)
Adhesive Strength: 12 N/cm (108 oz/in)
Adhesive: Acrylic Resin
Interliner: Silicone Paper

A very high tack double-sided tape, PPI RD-289A is ideal for those mounting or laminating applications where instant adhesion is required. The adhesive has very good long term resistance against UV and moisture exposure and has excellent adhesion to metal and plastic surfaces.

PPI RD-365A
Adhesive Coating: Double-Sided
Base: Polyester Film
Total Thickness: 0.250mm (10 mil)
Adhesive Strength: 8.0 N/cm (72 oz/in)
Tensile Strength: 40 N/cm (23 lbs/in)
Adhesive: Acrylic Resin
Interliner: Silicone Paper

A double-sided self-adhesive tape combining very high tack and high adhesion. The tape has a high initial adhesion to metal and plastic surfaces. It will also rapidly build up adhesion to a surface and within minutes it will prove impossible to remove without destroying the tape. Applications include mounting, laminating and vibration reduction for both smooth and rough surfaces. It is resistant to motor fuels and light motor oils. Temperature resistant up to 130°C (266°F).

Note: Other thicknesses available on request.

PPI RD-697
Adhesive Coating: Double-Sided
Base: Polyester Film
Total Thickness: 0.175 mm (7.0 mil)
Adhesive Strength: 12.0 N/cm (108 oz/in)
Tensile Strength: 40 N/cm (23 lbs/in)
Adhesive: Acrylic Resin
Interliner: Silicone Paper

A double sided polyester based tape which combines both high adhesive strength and high temperature shear strength. RD-697 exhibits excellent adhesion to a variety of substrates, particularly metals and glass.

PPI RD-697 C
Total Thickness: 0.072mm (3.0 mil)
Adhesive Strength: 4.5 N/cm (40.5 oz/in)
Tensile Strength: 25 N/cm (14 lbs/in)
Interliner: Silicone Paper

RD-697C is a thinner version of RD-697 yet still possesses all the excellent adhesion properties of RD-697. Based on a very thin polyester film this product can be used where total thickness of the bonded materials is critical.

PPI RD-172
Adhesive Coating: Double-Sided
Base: Polyester Film
Total Thickness: 0.12mm (4.8 mil)
Adhesive Strength: Low tack side: 1.4 N/cm (12.5 oz/in)
High tack side: 6 N/cm (54 oz/in)
Tensile Strength: 60 N/cm (34.5 lbs/in)
Adhesive: Acrylic Resin
Colour: Colourless
Interliner: Silicone Paper

A differential adhesive strength, double-sided tape. The low tack, low adhesion side allows mounting of the tape to metal, plastic or glass and even after long term aging the tape can be cleanly removed without adhesive residue. In contrast, the opposite side has very high adhesion and tack. PPI RD-172 is used in temporary mounting applications (e.g. photopolymer plate mounting on foam coated sleeves for printing processes).

PPI RD-421
Adhesive coating: Double sided
Base: Polyester film
Total thickness: 0.175mm (7.0 mil)
Adhesive strength: 9.0 N/cm (81 oz/in)
Tensile strength: 40 N/cm (23 lbs/in)
Adhesive: Synthetic rubber

PPI RD-421 is suitable for mounting, splicing and bonding of paper, metal and plastic surfaces. Because of its high adhesion rubber based adhesive, PPI RD-421 is particularly suitable for bonding to low energy surface plastics (e.g. polyethylene).
**PPI RD-449**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesive coating</td>
<td>Double sided</td>
</tr>
<tr>
<td>Base</td>
<td>Polyester film</td>
</tr>
<tr>
<td>Total thickness</td>
<td>0.075mm (3.0 mil)</td>
</tr>
<tr>
<td>Adhesive</td>
<td>Acrylic/Silicone</td>
</tr>
<tr>
<td>Acrylic side strength</td>
<td>3.5 N/cm (31.5 oz/in)</td>
</tr>
<tr>
<td>Silicone side strength</td>
<td>4.0 N/cm (36.0 oz/in)</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>40 N/cm (lbs/in)</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
<tr>
<td>Interliner</td>
<td>Silicone paper/ E-liner</td>
</tr>
</tbody>
</table>

**RD-449** is based on a polyester film coated on one side with an acrylic adhesive and the opposite side is coated with a silicone based adhesive. This product is designed for bonding silicone rubber based membrane switches which are normally very hard to adhere to due to their silicone rubber structure. The silicone adhesive side bonds very well to this material and the acrylic adhesive side readily bonds to the rigid polyester film. The **RD-449 series** is available with many types of interliner options, to facilitate die cutting requirements and various application techniques. Other thicknesses available.

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**PPI RD-577 F**

**SILICONE TRANSFER ADHESIVE**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesive coating</td>
<td>Transfer adhesive</td>
</tr>
<tr>
<td>Base Carrier</td>
<td>Polyester release film</td>
</tr>
<tr>
<td>Adhesive thickness</td>
<td>0.050mm (2.0 mil)</td>
</tr>
<tr>
<td>Adhesive strength</td>
<td>3.5 N/cm (31.5 oz/in)</td>
</tr>
<tr>
<td>Adhesive</td>
<td>Polysiloxane</td>
</tr>
<tr>
<td>Protective Interliner</td>
<td>Silicone paper</td>
</tr>
</tbody>
</table>

**PPI RD-577F** is based on a layer of silicone transfer adhesive supplied on a polyester release film. This product can be used for special bonding, laminating and mounting applications that require high temperature resistance. The silicone adhesive also exhibits excellent bonding to silicone based substrates.

---

**PPI RD-852**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesive coating</td>
<td>Double sided</td>
</tr>
<tr>
<td>Base</td>
<td>Metalised Polyester Film</td>
</tr>
<tr>
<td>Total thickness</td>
<td>0.060mm (2.4 mil)</td>
</tr>
<tr>
<td>Black side strength</td>
<td>4.5 N/cm (40.5 oz/in)</td>
</tr>
<tr>
<td>Transparent side strength</td>
<td>0.8 N/cm (7.2 oz/in)</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>40 N/cm (23 lbs/in)</td>
</tr>
<tr>
<td>Adhesive</td>
<td>Acrylic resin</td>
</tr>
<tr>
<td>Interliner</td>
<td>Polyester release film</td>
</tr>
</tbody>
</table>

**PPI RD-852** is a special differential adhesion product which has been designed to mount thin gasket surrounds onto mobile phone LCD's. The black opaque adhesive enhances the backlighting within the LCD.

---

**PPI RD-830A**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesive coating</td>
<td>Double sided</td>
</tr>
<tr>
<td>Base</td>
<td>Polyester Film</td>
</tr>
<tr>
<td>Total thickness</td>
<td>0.145mm (5.8 mil)</td>
</tr>
<tr>
<td>Adhesive strength</td>
<td>3.5 N/cm (31.5 oz/in)</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>40 N/cm (23 lbs/in)</td>
</tr>
<tr>
<td>Adhesive</td>
<td>Polysiloxane</td>
</tr>
<tr>
<td>Interliner</td>
<td>Corrugated film liner</td>
</tr>
</tbody>
</table>

**PPI RD-830A** is based on polyester film coated on both sides with a layer of silicone adhesive. This product is particularly suitable for bonding silicone rubber sheets and profiles.

---

**PPI DBT-065**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesive coating</td>
<td>Transfer adhesive</td>
</tr>
<tr>
<td>Base Carrier</td>
<td>Silicone paper</td>
</tr>
<tr>
<td>Adhesive thickness</td>
<td>0.065mm (2.6 mil)</td>
</tr>
<tr>
<td>Adhesive strength</td>
<td>4.5 N/cm (40.5 oz/in)</td>
</tr>
<tr>
<td>Adhesive</td>
<td>Modified Acrylic</td>
</tr>
</tbody>
</table>

**PPI DBT-065** is based on a layer of transfer adhesive used for permanent bonding and laminating applications for a wide variety of materials, including nameplates, membrane switches, PCB assemblies and all general fixing applications. Available in thicker version: PPI DBT-135 - 0.135mm (5.4mil)
## Teflon & Teflon® Glasscloth Tapes

### PPI 751

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Adhesive coating:</strong></td>
<td>Single sided</td>
</tr>
<tr>
<td><strong>Base:</strong></td>
<td>Teflon® PTFE Film</td>
</tr>
<tr>
<td><strong>Total thickness:</strong></td>
<td>0.08mm (3.2 mil)</td>
</tr>
<tr>
<td><strong>Adhesive strength:</strong></td>
<td>2.5 N/cm (23 oz/in)</td>
</tr>
<tr>
<td><strong>Tensile strength:</strong></td>
<td>15 N/cm (9 lbs/in)</td>
</tr>
<tr>
<td><strong>Adhesive:</strong></td>
<td>Polysiloxane</td>
</tr>
</tbody>
</table>

**PPI 751** is based on a Teflon® (PTFE) film coated with a silicone adhesive. The PTFE backing has very good flexibility with both **exceptional chemical resistance** and **excellent releasing properties**. Ideally suited to applications which require low friction/easy release. Examples include roller wrapping and release surfaces on heat sealing equipment. It can operate at temperatures up to 200 °C (392 °F) with a short term heat resistance up to 260 °C (500 °F).

### PPI 752

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Adhesive coating:</strong></td>
<td>Single sided</td>
</tr>
<tr>
<td><strong>Base:</strong></td>
<td>Teflon® PTFE Film</td>
</tr>
<tr>
<td><strong>Total thickness:</strong></td>
<td>0.175mm (7 mil)</td>
</tr>
<tr>
<td><strong>Adhesive strength:</strong></td>
<td>3.2 N/cm (29 oz/in)</td>
</tr>
<tr>
<td><strong>Tensile strength:</strong></td>
<td>50 N/cm (28 lbs/in)</td>
</tr>
<tr>
<td><strong>Adhesive:</strong></td>
<td>Polysiloxane</td>
</tr>
</tbody>
</table>

A **thicker version** of the PPI 751 with all of the same chemical and heat resistance properties.

### PPI 761

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Adhesive coating:</strong></td>
<td>Single sided</td>
</tr>
<tr>
<td><strong>Base:</strong></td>
<td>Teflon® -Glasscloth</td>
</tr>
<tr>
<td><strong>Total thickness:</strong></td>
<td>0.160mm (6.5 mil)</td>
</tr>
<tr>
<td><strong>Adhesive strength:</strong></td>
<td>4 N/cm (36 oz/in)</td>
</tr>
<tr>
<td><strong>Tensile strength:</strong></td>
<td>240 N/cm (135 lbs/in)</td>
</tr>
<tr>
<td><strong>Adhesive:</strong></td>
<td>Polysiloxane</td>
</tr>
<tr>
<td><strong>Interliner:</strong></td>
<td>Corrugated PVC</td>
</tr>
</tbody>
</table>

A **high quality** Teflon® (PTFE) coated glass fabric with a silicone adhesive. The non-stick PTFE backing resists salts, acids and solvents. **PPI 761** can operate at temperatures up to 260 °C (500 °F) and possesses high mechanical strength due to the glassfabric reinforcement. It is recommended for all specialist applications (e.g. masking, protecting) which require **exceptional heat or chemical resistance**. **PPI 761** provides a non-stick surface for many applications (e.g. release surface on heat sealing/plastic welding equipment).

### PPI 762

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Adhesive coating:</strong></td>
<td>Single sided</td>
</tr>
<tr>
<td><strong>Base:</strong></td>
<td>Teflon® -Glasscloth</td>
</tr>
<tr>
<td><strong>Total thickness:</strong></td>
<td>0.14mm (5.5 mil)</td>
</tr>
<tr>
<td><strong>Adhesive strength:</strong></td>
<td>5 N/cm (45 oz/in)</td>
</tr>
<tr>
<td><strong>Tensile strength:</strong></td>
<td>80 N/cm (46 lbs/in)</td>
</tr>
<tr>
<td><strong>Adhesive:</strong></td>
<td>Polysiloxane</td>
</tr>
<tr>
<td><strong>Interliner:</strong></td>
<td>Corrugated PVC</td>
</tr>
</tbody>
</table>

A **thinner version** of PPI 761 with all of the same chemical and heat resistance properties. It is more suited to applications where the tape must cover curved or irregularly shaped surfaces.

### PPI 7510

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Adhesive coating:</strong></td>
<td>Single sided</td>
</tr>
<tr>
<td><strong>Base:</strong></td>
<td>Teflon® PTFE Film</td>
</tr>
<tr>
<td><strong>Total thickness:</strong></td>
<td>0.08mm (3.2 mil)</td>
</tr>
<tr>
<td><strong>Adhesive strength:</strong></td>
<td>2.5 N/cm (23 oz/in)</td>
</tr>
<tr>
<td><strong>Tensile strength:</strong></td>
<td>15 N/cm (9 lbs/in)</td>
</tr>
<tr>
<td><strong>Adhesive:</strong></td>
<td>Acrylic</td>
</tr>
</tbody>
</table>

**PPI 7510** is based on a Teflon® (PTFE) film coated with a permanent bonding acrylic adhesive. This product is widely used in packaging applications to provide a low friction surface on transport guide rails. Also suitable for high temperature insulation.

---

R Registered Trade Mark of Du Pont
# Tapes for Metal Treatment Processes

## PPI 106

<table>
<thead>
<tr>
<th><strong>Adhesive Coating:</strong></th>
<th>Single-Sided</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Base:</strong></td>
<td>Polyester Film</td>
</tr>
<tr>
<td><strong>Total Thickness:</strong></td>
<td>0.055mm (2.2 mil)</td>
</tr>
<tr>
<td></td>
<td>0.068mm (2.5 mil)</td>
</tr>
<tr>
<td></td>
<td>0.080mm (3.2 mil)</td>
</tr>
<tr>
<td><strong>Adhesive Strength:</strong></td>
<td>3.4 N/cm (31oz/in)</td>
</tr>
<tr>
<td><strong>Tensile Strength:</strong></td>
<td>40 N/cm (23 lbs/in)</td>
</tr>
<tr>
<td><strong>Adhesive:</strong></td>
<td>Polysiloxane</td>
</tr>
<tr>
<td><strong>Colour:</strong></td>
<td>Blue and Red</td>
</tr>
</tbody>
</table>

Based on polyester film which combines very good flexibility and surface conformability, PPI 106 is recommended for several masking applications. One such application is in the masking of metal panels during electroless nickel plating. Both film and adhesive are unaffected by exposure to aggressive plating chemicals and the tape can be removed after plating, without adhesive residue.

## PPI 904

<table>
<thead>
<tr>
<th><strong>Adhesive Coating:</strong></th>
<th>Single-Sided</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Base:</strong></td>
<td>Aluminium Foil</td>
</tr>
<tr>
<td><strong>Total Thickness:</strong></td>
<td>0.13mm (5.2 mil)</td>
</tr>
<tr>
<td><strong>Adhesive Strength:</strong></td>
<td>4.5 N/cm (40.5 oz/in)</td>
</tr>
<tr>
<td><strong>Tensile Strength:</strong></td>
<td>75 N/cm (43 lbs/in)</td>
</tr>
<tr>
<td><strong>Adhesive:</strong></td>
<td>Acrylic Resin</td>
</tr>
</tbody>
</table>

An aluminium foil based tape, PPI 904 is recommended for masking of steel / aluminium panels during hard-chrome plating processes. It is resistant to a wide range of aggressive electroplating chemicals.

## PPI SP-661

<table>
<thead>
<tr>
<th><strong>Adhesive Coating:</strong></th>
<th>Single sided</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Base:</strong></td>
<td>Polyester film</td>
</tr>
<tr>
<td><strong>Total thickness:</strong></td>
<td>0.035mm (1.4 mil)</td>
</tr>
<tr>
<td></td>
<td>0.046mm (1.8 mil)</td>
</tr>
<tr>
<td><strong>Adhesive strength:</strong></td>
<td>1.0 N/10cm (3.6 oz/4 in)</td>
</tr>
<tr>
<td><strong>Tensile strength:</strong></td>
<td>40 N/cm (23 lbs/in)</td>
</tr>
<tr>
<td></td>
<td>60 N/cm (34.5 lbs/in)</td>
</tr>
<tr>
<td><strong>Adhesive:</strong></td>
<td>Acrylic resin</td>
</tr>
<tr>
<td><strong>Colour:</strong></td>
<td>Colourless and Blue</td>
</tr>
</tbody>
</table>

PPI SP-661 is based on a polyester film coated with a stable low tack acrylic adhesive. This product can be used to protect and mask anodised aluminium surfaces and components during paint spraying process. PPI SP-661 is also available in coloured format to enable easy identification of the masking tape for removal.

## PPI SP-510

<table>
<thead>
<tr>
<th><strong>Adhesive Coating:</strong></th>
<th>Single sided</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Base:</strong></td>
<td>Polyester film</td>
</tr>
<tr>
<td><strong>Total thickness:</strong></td>
<td>0.056mm (2.2 mil)</td>
</tr>
<tr>
<td></td>
<td>0.070mm (2.8 mil)</td>
</tr>
<tr>
<td></td>
<td>0.080mm (3.2 mil)</td>
</tr>
<tr>
<td><strong>Adhesive strength:</strong></td>
<td>2.0 N/cm (18 oz/in)</td>
</tr>
<tr>
<td><strong>Tensile strength:</strong></td>
<td>40 N/cm (23 lbs/in)</td>
</tr>
<tr>
<td></td>
<td>60 N/cm (34.5 lbs/in)</td>
</tr>
<tr>
<td></td>
<td>80 N/cm (46 lbs/in)</td>
</tr>
<tr>
<td><strong>Adhesive:</strong></td>
<td>Polysiloxane</td>
</tr>
<tr>
<td><strong>Colour:</strong></td>
<td>Colourless, Blue, Red</td>
</tr>
</tbody>
</table>

PPI SP-510 is based on polyester film coated with a high temperature resistant silicone adhesive. This product is designed to exhibit very good adhesion properties, good temperature resistance and also remain residue free on removal, making it an ideal choice for masking and protection applications.
PPI 902

Adhesive Coating: Single-Sided
Base: Aluminium Foil
Total Thickness: 0.065 mm (2.6 mil)
Adhesive Strength: 4.5 N/cm (41 oz/in)
Tensile Strength: 25 N/cm (14 lbs/in)
Adhesive: Acrylic Resin

PPI 902 is an aluminium foil based tape, which is suitable for a variety of applications. These include duct sealing, masking during paint stripping operations and as a barrier tape for metal joints and patches. It has excellent moisture, heat and aging resistance. It is also recommended for use as a heat and light deflection tape for cables and light sources.

Note: PPI 9015 is similar to PPI 902 but it has an electrically conductive adhesive.

PPI 9115

Adhesive Coating: Single-Sided
Base: Copper Foil
Total Thickness: 0.060mm (2.4 mil)
Adhesive Strength: 4.5 N/cm (41 oz/in)
Tensile Strength: 40 N/cm (23 lbs/in)
Adhesive: Electrically conductive acrylic

A copper foil coated with an electrically conductive adhesive. The tape is primarily used to shield and ground enclosures or to provide static charge drainage. It is also used in automobile crash testing to apply sensors to test points. Available in a wide range of thicknesses and die-cut formats.

PPI RD-384

Adhesive Coating: Single Sided
Base: Copper Foil
Total Thickness: 0.085 mm (3.4 mil)
Adhesive Strength: 4.5 N/cm (41 oz/in)
Tensile Strength: 40 N/cm (23 lbs/in)
Adhesive: Electrically conductive acrylic

PPI RD-384 is similar in construction to PPI 9115 but possesses superior adhesion due to its thicker adhesive layer. RD-384 is also electrically conductive and is suitable for EMI/RFI shielding of cables, cabinets and devices.

PPI 9515

Adhesive Coating: Single sided
Base: Tin-Clad Copper Foil
Total Thickness: 0.060mm (2.4 mil)
Adhesive Strength: 4.5 N/cm (41 oz/in)
Tensile Strength: 40 N/cm (23 lbs/in)
Adhesive: Electrically conductive acrylic

PPI 9515 is based on tin clad copper foil coated with an electrically conductive adhesive. The tin layers provide improved solderability and corrosion resistance. Applications include shielding of cables, cabinets and devices.

PPI LM-394B- STRIP MASK

Adhesive Coating: Single sided
Base: Tin Clad Copper Foil
Total Thickness: 0.060mm (2.4 mil)
Adhesive Strength: 5.0 N/cm (45 oz/in)
Tensile Strength: 55 N/cm (31 lbs/in)
Electrical resistance Through tape: 0.003 ohms/25mm²
Interliner: Siliconised paper

PPI LM-394B is based on tin clad copper foil tape coated with an electrically conductive adhesive (PPI 9515-6). The uncoated face of the PPI 9515 is partially covered with a central strip of blue coloured polyester masking tape. LM-394B is recommended for applications in the manufacture of EMI/RFI shielded cabinets. During the assembly of these cabinets LM-394B is applied around the door panel. The completed cabinets are painted and then baked. The polyester masking tape is then removed leaving an exposed tin surface which provides a conductive pathway to the panel.
PPI SP-515
Adhesive coating: Single sided
Base: Nomex R/Glasscloth
Total thickness: 0.200mm (8.0 mil)
Adhesive strength: 2.5 N/cm (23 oz/in)
Adhesive: Acrylic resin
Colour: Natural

PPI SP-515 is based on Nomex R paper (0.050mm) laminated to glasscloth and coated on one side with an acrylic adhesive. This unique construction combines excellent high temperature stability with ideal mechanical strength and electrical properties. In addition, the high tack adhesive is resistant to a wide range of transformer oils/fluids. PPI SP-515 has found widespread use as core-layer and final insulation of coils.

PPI SP-609
Adhesive coating: Single sided
Base: Nomex R/Glasscloth
Total thickness: 0.300mm (12 mil)
Adhesive strength: 3.0 N/cm (27 oz/in)
Adhesive: Acrylic resin
Colour: Natural

PPI SP-609 is a thicker version of the SP-515 product. SP-609 is based on a Nomex (0.130mm)/glasscloth laminate and possesses superior dielectric strength & rigidity. PPI SP-609 is particularly suited for phase separation and slot insulation in high power motors and transformers.

PPI SP-750C
Adhesive coating: Single sided
Base: Glasscloth/Polyester
Total thickness: 0.240mm (9.6 mil)
Adhesive strength: 4.0 N/cm (36 oz/in)
Adhesive: Synthetic rubber
Colour: White

PPI SP-750C is based on a glasscloth/polyester laminate coated with synthetic rubber adhesive. This specific construction produces a final product which has high mechanical strength and electrical properties plus good initial adhesion. PPI SP-750C can be found in many high dielectric applications (e.g. insulation of inner housings for automotive starters/induction coils).

PPI Adhesive Products Ltd. manufactures specialised laminates (e.g. Metal foils with Nomex, Polyester and Polyimide films) and die-cut forms of all the products in the PPI range.

R Registered Trade Mark of Du Pont
BARCODE LABELSTOCK & OVERLAY FILMS

PPI L-133
Base: White Polyester film
Total thickness: 0.075mm (3.0 mil)
Adhesive strength: 4.0 N/cm (36 oz/in)
Adhesive: Acrylic resin
Interliner: Silicone paper

**THERMAL TRANSFER PRINTING**
PPI L-133 is based on a white printable polyester film. It is printable using a **wide range of thermal transfer ribbons**, it is temperature resistant up to 155 °C (311 °F) and will withstand exposure to a wide range of aqueous and organic based solutions. Applications include **barcode labelling** in the automotive and metal processing industries. It is also used in the labelling of electronic components.

PPI L-139A
Base: Polyimide film
Total thickness: 0.060mm (2.5 mil) 0.085mm (3.5 mil)
Adhesive strength: 2.5 N/cm (20 oz/in)
Adhesive: Acrylic resin
Printable top coat Colour: White
Interliner: Silicone paper

**THERMAL TRANSFER PRINTING**
PPI L-139A is based on polyimide film coated with a printable top coat. Printable with a **wide variety of thermal transfer ribbons**, PPI L-139A is also heat resistant up to 300 °C (572 °F), short term and can be immersed in molten solder without adverse effect. It is resistant to aqueous based cleaning fluid and fluxes. Applications include **PCB labelling** and the labelling of metal parts and panels during processing.

PPI RD-514
Base: Polyimide film
Total thickness: 0.075mm (3.0 mil) 0.100mm (4.0 mil)
Adhesive strength: 2.5 N/cm (20 oz/in)
Adhesive: Acrylic resin
Printable top coat Colour: White
Interliner: Silicone paper

**THERMAL TRANSFER PRINTING**
Combining excellent high temperature resistance with exceptional resistance to a wide range of solvents, RD-514 is recommended for all labelstock applications in extreme or harsh environments. It is unaffected by exposure to many organic solvents (e.g. motor fuels, organic cleaning solvents and wash solutions). With the recommended printer conditions and ribbons it can be easily printed using thermal transfer printing techniques. Suitable for similar applications to PPI L-139A, but recommended for those with more aggressive processing conditions (e.g PCB bottom side labelling).

PPI Adhesive Products Limited offer precision die-cutting of all labelstock products to meet with your individual requirements.
PPI RD-689
Base: Polyimide film
Total thickness: 0.100mm (4.0 mil)
Adhesive strength: 2.0 N/cm (18 oz/in)
Tensile strength: 100 N/cm (56 lbs/inch)
Adhesive: Acrylic resin
Surface resistivity: $10^4 - 10^5$ ohms/cm
Printable top
Coat colour: White
Interliner: Silicone paper

**THERMAL TRANSFER PRINTING**
RD-689 is based on polyimide film coated with a static dissipative pressure sensitive adhesive which has been designed for labelstock applications where static charge is critical. The RD-689 printable top coat has all the properties of the durable RD-514 labelstock making it extremely resistant to harsh environments.

PPI SP-2064
Base: Polyester film
Total thickness: 0.065mm (2.6 mil)
Adhesive strength: 2.0 N/cm (18 oz/in)
Adhesive: Acrylic resin
Printable top
Coat colour: White
Interliner: Silicone paper

**THERMAL TRANSFER PRINTING**
PPI SP-2064 is based on polyester film coated with a temperature resistant printable coating. The opposite side of the tape is coated with a low adhesion acrylic adhesive. SP-2064 is used for batch control and identification of audio/video master reels during slitting processes.

PPI SP-905-6F
Adhesive coating: Single sided
Base: Polyester film
Total thickness: 0.035mm (1.4 mil)
Adhesive strength: 2.0 N/cm (18 oz/inch)
Tensile strength: 40 N/cm (23 lbs/inch)
Adhesive: Polysiloxane
Colour: Colourless
Interliner: Release coated polyester

**PPI SP-905-6F protective overlay tape** is based on polyester film coated with a temperature resistant, non discolouring, silicone based adhesive. In harsh environs, SP-905 can be applied over the entire surface of the printed label thus protecting the critical information on the label from processing chemical washes or abrasion. SP-905-6F is supplied on a polyester based interliner.

PPI OL-440
Adhesive coating: Single sided
Base: Polyimide film
Total thickness: 0.035mm (1.4 mil)
Adhesive strength: 2.0 N/cm (18 oz/inch)
Tensile strength: 50 N/cm (28 lbs/inch)
Adhesive: Acrylic
Colour: Amber

**PPI OL-440** is a high temperature protective overlay tape based on polyimide film coated with a permanent acrylic resin based adhesive. This product can be used to protect printed information on labels for bottom side labelling of printed circuit boards during reflow solder processing. Suitable for use up to 300 °C. Note: PPI OL 440-6 is supplied on silicone paper interliner.
**PPI SP-280**

- **Adhesive coating:** Single sided
- **Base:** Polyester film
- **Total thickness:** 0.055mm (2.2 mil)
- **Adhesive strength:** 5.0 N/cm (45 oz/in)
- **Tensile strength:** 40 N/cm (23 lbs/in)
- **Elongation:** 80-120%
- **Adhesive:** Acrylic
- **Colour:** Colourless

**PPI SP-280** is a special polyester based product coated on one side with a hypoallergenic based acrylic adhesive. Designed for reinforcing colostomy pouches.

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**PPI SP-906**

- **Adhesive coating:** Single sided/
  Stripe coated
- **Base:** Polyester film
- **Total thickness:** 0.050mm (2 mil)
- **Adhesive strength:** 4.0 N/cm (36 oz/in)
- **Tensile strength:** 40 N/cm (23 lbs/in)
- **Elongation:** 80-120%
- **Adhesive:** Modified Acrylic
- **Available Colours:** Blue, Green, Yellow & Magenta
- **Standard withs:** Polyester width 40 mm
  Adhesive width 25 mm

**PPI SP-906** is based on transparent polyester film coated with a stripe of adhesive centrally along its width. This product is used to construct colour coded pull tabs on medical wound dressings, to facilitate the easy removal of interliners and carrier films. The transparent edges of the polyester tape are usually printed with arrows to ensure easy handling and identification. Customised colours available on request.

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**PPI SP-2181**

- **Adhesive coating:** Single sided
- **Base:** Polyester film
- **Total thickness:** 0.145mm (5.8 mil)
- **Adhesive strength:** 4.0 N/cm (36 oz/in)
- **Tensile strength:** 140 N/cm (79 lbs/in)
- **Elongation:** 80-120%
- **Adhesive:** Polysiloxane
- **Colour:** Colourless

**PPI SP-2181** is used as a reinforcement and bandoleering tape for use during the manufacturing process of hypodermic needles. The thick polyester film prevents any distortion of the film while the strong adhesive layer allows rotation of the needle on the tape for sharpening without the needle falling off. The silicone adhesive is designed to withstand the ultrasonic cleaning process during de-burring. PPI SP-2181 is residue free on removal.

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**PPI RD-577F**

- **Adhesive coating:** Transfer adhesive
- **Base Carrier:** Polyester release film
- **Adhesive thickness:** 0.050mm (2.0 mil)
- **Adhesive strength:** 3.5 N/cm (31.5 oz/in)
- **Adhesive:** Polysiloxane
- **Protective Interliner:** Silicone paper

**PPI RD-577F** silicone transfer adhesive is used for special laminating applications in medical patches designed to deliver drugs transdermally. The chemical resistant adhesive, combined with its high adhesion to medical grade silicone rubber films ensure that the laminated product remains intact during its use.
# VENT TAPES FOR

- **FOAM-IN-PLACE INSULATION**
- **GREENHOUSE MANUFACTURE**

## PPI 819B

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Adhesive coating:</strong></td>
<td>Single sided/ Stripe coated</td>
</tr>
<tr>
<td><strong>Base:</strong></td>
<td>Non-woven cellulose</td>
</tr>
<tr>
<td><strong>Total thickness:</strong></td>
<td>0.100mm (4 mil)</td>
</tr>
<tr>
<td><strong>Tensile strength:</strong></td>
<td>14 N/25mm (3 lbs/in)</td>
</tr>
<tr>
<td><strong>Elongation:</strong></td>
<td>9%</td>
</tr>
<tr>
<td><strong>Adhesive strength:</strong></td>
<td>10 N/25mm (36 oz/in)</td>
</tr>
<tr>
<td><strong>Adhesive:</strong></td>
<td>Acrylic resin</td>
</tr>
<tr>
<td><strong>Interliner:</strong></td>
<td>Silicone paper</td>
</tr>
</tbody>
</table>

**PPI 819B** is based on a non-woven cellulose fleece which has an adhesive coating along each edge. This special product is used to cover the vents and allow outgassing during **foam-in-place insulation** processes, during the manufacture of appliances such as refrigerators and freezers. PPI 819B is supplied on an interliner.

## PPI RD-870

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Adhesive coating:</strong></td>
<td>Single sided/ Stripe coated</td>
</tr>
<tr>
<td><strong>Base:</strong></td>
<td>Non-woven cellulose</td>
</tr>
<tr>
<td><strong>Total thickness:</strong></td>
<td>0.090mm (3.6 mil)</td>
</tr>
<tr>
<td><strong>Tensile strength:</strong></td>
<td>20 N/25mm (4.5 lbs/in)</td>
</tr>
<tr>
<td><strong>Elongation:</strong></td>
<td>9%</td>
</tr>
<tr>
<td><strong>Adhesive strength:</strong></td>
<td>3.0 N/cm (27oz/in)</td>
</tr>
<tr>
<td><strong>Adhesive:</strong></td>
<td>Acrylic resin</td>
</tr>
</tbody>
</table>

**PPI RD-870** is a stripe coated fleece product and has the added advantage of being supplied in **self wound** format. This makes it ideal for use directly from a dispenser. RD-870 is used during the manufacture of walk-in-freezers.

## PPI SP-786

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Adhesive coating:</strong></td>
<td>Single sided/ Stripe coated</td>
</tr>
<tr>
<td><strong>Base:</strong></td>
<td>Glasscloth</td>
</tr>
<tr>
<td><strong>Total thickness:</strong></td>
<td>0.200mm (8 mil)</td>
</tr>
<tr>
<td><strong>Tensile strength:</strong></td>
<td>250 N/cm (140 lbs/in)</td>
</tr>
<tr>
<td><strong>Elongation:</strong></td>
<td>10%</td>
</tr>
<tr>
<td><strong>Adhesive strength:</strong></td>
<td>3.0 N/cm (27oz/in)</td>
</tr>
<tr>
<td><strong>Adhesive:</strong></td>
<td>Acrylic resin</td>
</tr>
<tr>
<td><strong>Interliner:</strong></td>
<td>Release coated polyester</td>
</tr>
</tbody>
</table>

The special stripe coated construction of **PPI SP-786** allows for the free **circulation of air** through the honeycombed polycarbonate sheeting used in the manufacture of greenhouses. The product also prevents dust or insects from entering the honeycomb.
# PHOTOGRAPHIC TAPES

## PPI SP-728
- **Adhesive Coating**: Single-Sided
- **Base**: Photographic Paper
- **Total Thickness**: 0.175mm (7 mil)

**PPI SP-728** is a heat sealing photographic splicing tape. It has **excellent adhesion when heat sealed** to photographic film and leader tape. It is recommended for **automatic pre-splicer equipment** used in professional photographic laboratory film processing. The tape is unaffected by immersion in developing solutions.

## PPI SP-459
- **Adhesive Coating**: Single-Sided
- **Base**: Polyester Film
- **Total Thickness**: 0.090mm (3.5 mil)
- **Adhesive Strength**: 3.5 N/cm (31.5 oz/in)
- **Adhesive**: Polysiloxane
- **Colour**: Red, Blue and Black

**PPI SP-459** is designed to splice photographic film to leader cards in minilab processing systems. **PPI SP-459 has excellent adhesion to leader cards and emulsion films.** The high shear adhesive will leave **no adhesive residue** on the leader card when the tape is removed. It is also unaffected after immersion in photographic developing solutions.

## RD-283S
- **Adhesive Coating**: Single sided
- **Base**: Polyester film
- **Total thickness**: 0.075mm (3.0 mil)
- **Total thickness**: 0.090mm (3.26 mil)
- **Adhesive strength**: 5 N/cm (45 oz/in)
- **Adhesive**: Synthetic rubber
- **Colour**: Yellow and Black

**RD-283S** is similar to **PPI SP-459 in application**. **PPI RD-283S is based on a silicone-free adhesive which has excellent adhesion to leader card and emulsion films.** It is therefore recommended as a splicing tape for leader card to emulsion films in minilab applications. The tape leaves **no adhesive residue** on the leader card when removed.

## PPI SP-662
- **Adhesive Coating**: Single sided
- **Base**: Polyester film
- **Total thickness**: 0.075mm (3 mil)
- **Adhesive strength**: 4.0 N/cm (36 oz/in)
- **Adhesive**: Acrylic resin
- **Interliner**: Siliconised polyester
- **Colour**: Black

**PPI SP-662** is recommended as an **extracting tape** for use in the removal of exposed photographic film from film cartridges. The product is based on polyester film coated with a smooth layer of acrylic adhesive. This combination of properties facilitates **easy removal of the film from the cartridge**. **PPI SP-662 is recommended for applications in automatic photographic film extraction systems.**

## PPI 920-6
- **Adhesive Coating**: Single sided
- **Base**: Metallised polyester Film
- **Total thickness**: 0.060mm (2.5 mil)
- **Adhesive strength**: 4.4 N/cm (40 oz/in)
- **Adhesive**: Acrylic resin
- **Interliner**: Silicone paper

**PPI 920-6** is a metallised polyester based splicing tape with a **low tack, removable adhesive**, PPI 920-6 is used to splice photographic paper. The metallised film backing reflects light which can be detected by automatic sensors in the photographic processing equipment. This facilitates **automatic recognition of the end of the paper rolls**. The removable adhesive allows the tape to be cleanly removed without damaging the paper surface.
**Tapes for Cathode Ray Tube Assembly**

### PPI 8610

- **Adhesive Coating:** Double-Sided
- **Base:** Glasscloth
- **Total Thickness:** 0.19mm (7.5 mil)
- **Adhesive Strength:** 4.7 N/cm (43 oz/in)
- **Tensile Strength:** 200 N/cm (115 lbs/in)
- **Adhesive:** Synthetic Rubber
- **Interliner:** Siliconised Polyester

A high tensile strength double-sided tape with excellent tear resistance. PPI 8610 is widely approved as a fixing tape used to permanently attach the metal surround shrink bands to cathode ray tubes (CRT). The tape/metal band combination reduces the risk of injury by glass shards in the event of tube implosion.

### PPI SP-909

- **Adhesive coating:** Single sided
- **Base:** Polyester/Glasscloth
- **Total thickness:** 0.230mm (9.2 mil)
- **Adhesive strength:** 4.7 N/cm (43 oz/in)
- **Tensile strength:** 150 N/cm (84 lbs/in)
- **Adhesive:** Synthetic rubber
- **Colour:** Black

**PPI SP-909** is a single sided tape based on a laminate of polyester/glasscloth coated with rubber based adhesive. The solvent coated adhesive causes no oozing of the adhesive during mounting and shrinking of the metal band, unlike hot melt adhesives.

### PPI SP-869

- **Adhesive coating:** Single sided
- **Base:** Acetate silk cloth
- **Total thickness:** 0.200mm (8.0 mil)
- **Adhesive strength:** 6.0 N/cm (54 oz/in)
- **Tensile strength:** 50 N/cm (28 lbs/in)
- **Adhesive:** Synthetic rubber
- **Colour:** White and black

**PPI SP-869** is a high tack, high adhesion silk acetate based tape. It has been specifically designed to bond slightly oiled copper wiring. Used in deflector yoke assembly for C.R.T’s.

### PPI RD-767

- **Adhesive coating:** Single sided
- **Base:** Acetate silk cloth
- **Total thickness:** 0.19mm (7.5 mil)
- **Adhesive strength:** 6.0 N/cm (54 oz/in)
- **Tensile strength:** 50 N/cm (28 lbs/in)
- **Adhesive:** Synthetic rubber
- **Colour:** White

**PPI RD-767** is based on silk acetate cloth coated with a flame retardant high adhesion rubber adhesive. The silk acetate cloth is highly conformable and is ideal for bonding to irregular surfaces. This flexible product is used for insulating applications where flame retardancy is a requirement.
REINFORCING TAPES FOR ROLLER BLINDS

PPI 270
Adhesive coating: Double sided
Base: Hard PVC Film
Total thickness: 0.27mm (10.5 mil)
Adhesive strength: 8 N/cm (72 oz/in)
Tensile strength: 120 N/cm (69 lbs/in)
Adhesive: Acrylic resin
Colour: Blue transparent
Interliner: Siliconised Polyester

PPI 270 is based on a strong, UV resistant PVC film coated on both sides with a UV and age resistant adhesive. PPI 270 is suitable as a reinforcement or spacer tape for the edges of roller blinds.

PPI 978
Adhesive coating: Double sided
Base: Hard PVC Film
Total thickness: 0.28mm (11 mil)
Adhesive strength: 10 N/cm (90 oz/in)
Tensile strength: 120 N/cm (69 lbs/in)
Adhesive: Acrylic resin
Colour: Blue transparent
Interliner: Siliconised polyester

PPI 978 is a high tack version of PPI 270. It is recommended as a reinforcement of the edges of roller blinds which have highly textured surfaces or difficult to adhere to surfaces.

PPI M-576
Adhesive coating: Single sided
Base: Hard PVC Film
Total thickness: 0.40mm (16 mil)
Adhesive strength: 15 N/cm (135 oz/in)
Tensile strength: 210 N/cm (118 lbs/in)
Adhesive: Acrylic resin
Colour: Blue transparent

PPI M-576 is recommended for those applications where extra rigidity is required. This tape is based on a tear and UV resistant thick PVC film with an UV and age resistant acrylic adhesive. One application is in the manufacture of roller blinds where PPI M-576 is used as a rigid supporting tape for attaching the blind to slotted or unslotted rollers.

PPI SP-2349
Adhesive coating: Single sided
Base: Hard PVC Film
Total thickness: 0.4 mm (16 mil)
Adhesive strength: 10 N/cm (90 oz/in)
Tensile strength: 210 N/cm (118 lbs/in)
Adhesive: Acrylic resin
Colour: Blue transparent

SP-2349 is based on a thick PVC film coated on both sides with a high tack, high adhesion acrylic adhesive. This tape has been designed to build up rapid adhesion and form permanent bonds onto curtain fabric materials and textured surfaces.

PPI RD-697
Adhesive coating: Double sided
Base: Polyester film
Total thickness: 0.175mm (7.0 mil)
Adhesive strength: 12.0 N/cm (108 oz/in)
Tensile strength: 40 N/cm (23 lbs/in)
Interliner: Silicone paper

A double sided polyester based tape which combines both high adhesive strength and excellent high temperature shear strength. RD-697 exhibits excellent adhesion to a variety of substrates, and is particularly suitable for laminating fabrics prior to stitching during the manufacture process of the blind.
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**PPI ADHESIVE PRODUCTS LTD.**

*PPI Self-adhesive tapes*

- For the electrical and electronic industries
- For the audio/video industries (splicing tapes, cleaning tapes, etc.)
- For printed circuit board assembly
- For shielding and winding transformer applications
- For a wide range of industrial and speciality applications (floor covering manufacture, masking tapes, etc.)

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Producer of precision die-cut adhesive components for electrical, electronic and general industrial applications. T.A.P can offer experienced technical know how on all aspects of product die-cutting and design.

**WATERFORD RESEARCH & DEVELOPMENT LTD.**

Continuously develops self-adhesive products for our own group and for our interested customers. R&D develops new production techniques and market know-how on all aspects of adhesive products.

**VALENTIA INDUSTRIES**

Producer of single and double-sided siliconised polyester films in a range of thickness from 0.012mm to 0.190mm. Available from 6mm to 1350mm width. Customised release levels a speciality.

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