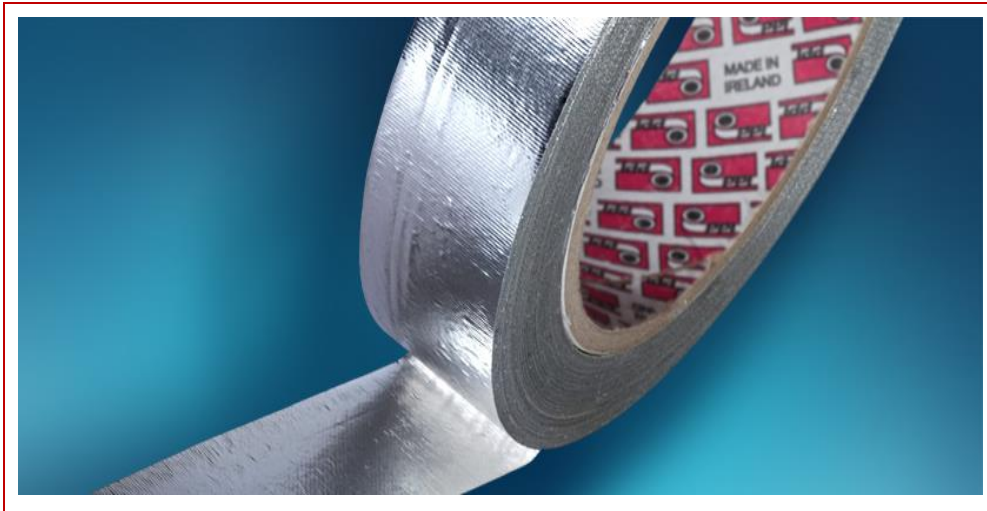




**HIGH PERFORMANCE
DURABLE MASKING TAPES
FOR
THERMAL SPRAY
INDUSTRIES**



PPI ADHESIVE PRODUCTS LIMITED

A Brand Of Quality To Rely On...

PPI ADHESIVE PRODUCTS LTD manufactures a comprehensive range of durable masking tapes for the thermal spray industry including plasma and HVOF processes. Our products have been developed in conjunction with leading aircraft engine manufacturers and as a result we have received approvals from Rolls Royce, General Electric and Pratt & Whitney.

PPI plasma and HVOF masking tapes have been designed to withstand vigorous grit blasting processes and harsh spraying conditions at extremely high temperatures. Due to the high performance silicone adhesives used, our masking tapes have excellent surface adhesion and will not lift during processing, ensuring a fine sharp edge every time on the thermal sprayed coating.

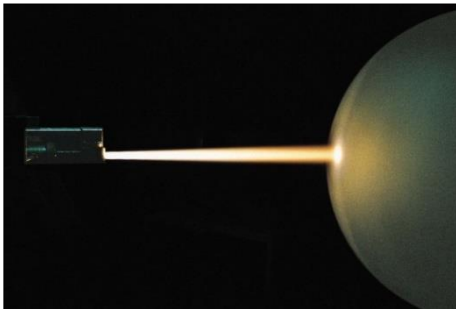
The PPI multi-laminate tapes possess the highest thermal endurance of all the products within the PPI range. These robust products are used to resist the harshest grit blasting and spraying processes including HVOF. Although these products are thicker than conventional tapes, they are still highly conformable and can be worked into small spaces. These products can eliminate the need for multiple layer masking, thus reducing costs.

The tapes are residue free upon removal, eliminating the need for further cleaning or processing.

“PPI - We don't just sell tape ... we sell quality solutions...”

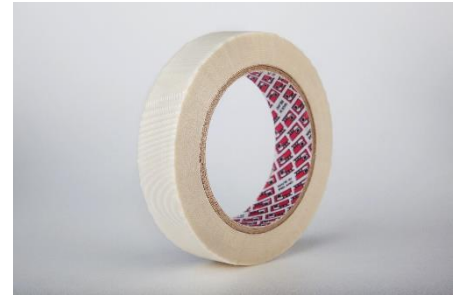
The company, through its own independent **Research & Development Center** also based in Waterford, has excelled in developing **custom made products** tailored to meet specific and special requirements from customers apart from providing quality solutions to engineering and technical problems.

We in the PPI group of companies have the experience and the capability to offer products and services to all of our customers, which can fulfill applications ranging from small developing niche areas to highly demanding technical challenges.



PPI RD-692 / RD-692B & PPI 8415
GLASS CLOTH / SILICONE ADHESIVE

These products are based on a single layer of glasscloth coated on one side with a layer of high performance silicone adhesive. Various degrees of adhesion can be achieved. The glasscloth offers excellent abrasion and mechanical resistance. Used for general plasma masking applications.



PRODUCT	Base Material	Adhesive Strength	Total Thickness
RD-692	Glass cloth	4.5 N/cm	0.185 mm
RD-692B	Glass cloth	3.0 N/cm	0.180 mm
8415	Glass cloth	4.0 N/cm	0.165 mm

PPI LM-745
2 LAYER GLASS CLOTH / SILICONE ADHESIVE LAMINATE

LM-745 consists of a 2-layer glass cloth laminate coated with silicone adhesive. This tape has improved abrasion and mechanical resistance and can resist harsh grit blasting processes as a result. Due to its robust construction, LM-745 also offers increased thermal protection and can reduce the time required during masking where multiple layers are normally required.

PPI LM-681
3 LAYER GLASS CLOTH / SILICONE ADHESIVE

Offering the ultimate protection of the glass cloth range, **LM-681** consists of a triple layer glass cloth coated with silicone adhesive. The product is still conformable and has high resistance to cut through and abrasion.

PRODUCT	Base Material	Adhesive Strength	Total Thickness
LM-745	Glass cloth x 2	4.5 N/ cm	0.325 mm
LM-681	Glass cloth x 3	4.5 N/ cm	0.500 mm

PPI 8416
DOUBLE SIDED GLASS CLOTH / SILICONE ADHESIVE

PPI 8416 is based on a glass cloth coated on both sides with a silicone adhesive. This product can be used as a primary masking in conjunction with a secondary overwrap of another type product. PPI 8416 is supplied on a removable filmic interliner.

PRODUCT	Base Material	Adhesive Strength	Total Thickness
PPI 8416	Glass cloth	5.0 N/ cm	0.120 mm

PPI 9815
ALUMINIUM FOIL / GLASS CLOTH / SILICONE
ADHESIVE

PPI 9815 is based on a thin aluminium foil / glass cloth laminate coated on one side with a high temperature resistant silicone adhesive. The tape can reflect radiant heat and remain stable at very high temperatures. Used for plasma and HVOF. High adhesion between tape layers.



PRODUCT	Base Material	Adhesive Strength	Total Thickness
PPI 9815	Aluminium Glass cloth	4.5 N/ cm	0.150 mm

PPI SP-2321
SILICONE RUBBER / GLASSCLOTH / SILICONE ADHESIVE

Silicone rubber backed glasscloth with silicone adhesive. SP-2321 is a highly flexible product that has excellent interlayer adhesion. The reinforced glassfabric possesses excellent heat resistance.

PRODUCT	Base Material	Adhesive Strength	Total Thickness
SP-2321	Silicone rubber backed glass cloth	2.0 N/cm	0.250mm

PPI LM-743 & LM-744
MULTI-LAYER GLASS CLOTH / COPPER FOIL / SILICONE ADHESIVE

LM-743 and LM-744 are primarily used for HVOF masking applications. Consisting of multiple glass cloth layers with copper foil laminated in between, these products are the most robust of all the PPI types and can resist the most rigorous and demanding coating processes. Despite their overall thickness, these tapes are both conformable and malleable, and have the unique ability to be formed to a shape to assist with delicate taping procedures. The increased thickness also helps when depositing a thick coating to the metal surface. The high performance silicone adhesive ensures residue free masking.



PRODUCT	Base Material	Adhesive Strength	Total Thickness
LM-743	Glass cloth / Copper foil	4.5 N/ cm	0.560 mm
LM-744	Glass cloth / Copper foil	3.0 N/ cm	0.580 mm

Our group of companies

PPI ADHESIVE PRODUCTS LTD.

Manufacturer of self-adhesive tapes for the electrical and electronic industries, for use in printed circuit board assembly, for shielding and winding transformer applications, for a wide range of industrial and specialty applications.

TECHNICAL ADHESIVE PRODUCTS LTD.

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 LTD.

Producer of single and double-sided siliconised polyester films.

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