

POLYETHYLENE FOAM TAPE
DOUBLE SIDED

PRODUCT DATA SHEET

1811 DOUBLE SIDED POLYETHYLENE FOAM TAPE

DESCRIPTION

The ORAFOL 1811 is made from a closed-cell polyethylene foam and is coated on both sides with a modified acrylic adhesive. This adhesive is lined with a blue double-sided silicone paper. The modified acrylic adhesive offers permanent bonding on most rough & difficult LSE plastic surfaces. ORAFOL 1811 is UL listed - number UL 969.

ADHESIVE	MODIFIED ACRYLIC
BACKING	CLOSED CELL POLYETHYLENE FOAM
RELEASE LINER	BLUE SILICONE PAPER



FEATURES



EXCELLENT SHEAR STRENGTH & INITIAL ADHESION

High Initial Adhesion & excellent shear strength.



LONG LIFE, AGE RESISTANT

Good age resistant properties. Good durability bonding to low surface energy surfaces.



GOOD TEMPERATURE RESISTANCE

Very good temperature range (- 40°C to +90°C) resistance.



UV, HUMIDITY, SOLVENT, CHEMICAL & WATER RESISTANCE

Very good resistance to UV, chemicals, solvents & humidity.



ROHS & REACH COMPLIANT

Complies with RoHs and REACH standards.



FDA APPROVED

FDA approved for use in food areas.



FCKW COMPLIANT

Meets FCKW regulations.

TYPICAL APPLICATIONS

- For the installation of spray cast and extruded plastic parts such as panels, bars and ducts, as well as plexiglass mirrors for interior fit-outs and displays.
- For use as a adhesive medium for hooks, signs, handles and dispensers.
- Ideal for use in exhibition and conference fit-outs.
- Excellent bond strength to most substrates with high initial tack properties.
- We are able to die cut this product to various shapes for assembly & attachment work.
- Excellent long life bonding to metals, plastics, corflute, composites, smooth wood & glass.

ADVANTAGES

QUICK & EASY TO USE

No clean up mess which occurs with liquid adhesives.

ECONOMICAL

Preparation time is minimal.
Installation is faster & waste is reduced.

SLIT TO SIZE IN NZ

Roll widths are slit to required sizes in New Zealand. Fast delivery to site throughout New Zealand.

FREE TECHNICAL ADVICE

Free technical assistance, samples and advice available throughout NZ from the tape spec sales team.



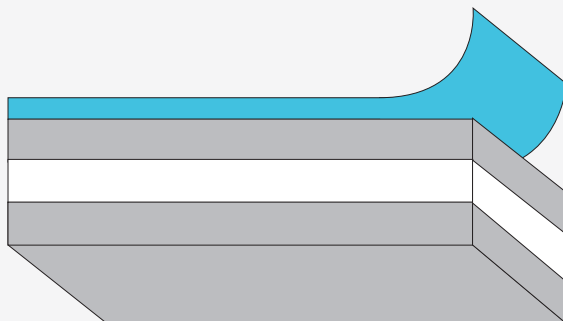
Available in hang sell retail packaging.

PRODUCT

DOUBLE SIDED POLYETHYLENE FOAM TAPE

Available Thicknesses: 1.1 Microns

TAPE STRUCTURE



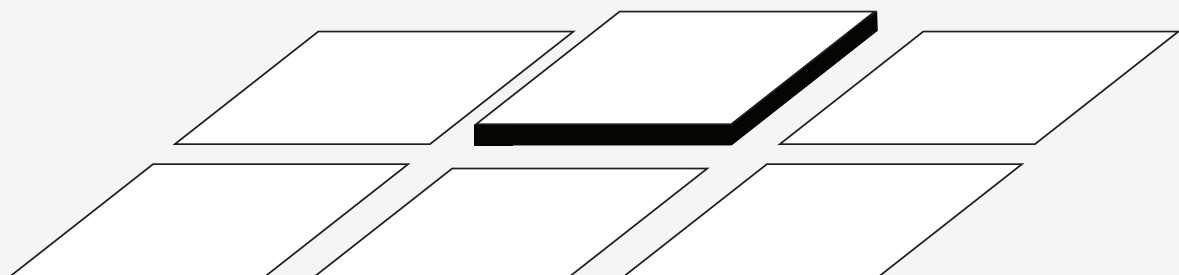
Silicone Paper

Modified Solvent Acrylic Adhesive (AM2)

Polyethylene Foam

Modified Solvent Acrylic Adhesive (AM2)

DIECUTTING



Able to be die and kiss cut into various shapes (with an extra release liner).

TECHNICAL INFORMATION

Carrier	Closed - cell polyethylene foam
Adhesive	High Bond Modified Acrylic
Colour	Blue paper, both sides coated with silicone
Release Liner	White paper, both sides coated with silicone
Thickness	1.1mm
Density	67 Kg/m ³
Adhesive power (FINAT - TM 1, on stainless steel, one side covered with 50 microns polyester film)	20 minutes - >18 N/25mm, tear 24 hours - >18 N/25mm, tear
Loop Tack (FINAT TM9)	28 N/25mm
Shear strength (FINAT - TM 8, on stainless steel, one side covered with 50 microns polyester film)	23°C >300 hours 70°C 6 hours
Minimum Application Temperature	15°C
Temperature Resistance	- 40°C to +90°C
Shelf Life (at 20°C and 50% relative humidity)	2 years
Roll Size	We are able to slit to your required width size standard length 25 meters.
Compliances	FDA Approved Adhesive: Meets 21 CFR Ch. 1 (April 1st 2008) 175.105. For use in food contact areas. Meets REACH Regulations (EC) No 1907/2006 Article 3. Meets ROHS Regulations Directive 2011/65/EU (ROHS Amended on 2018/742/EU). Meets FCKW Regulation (EC) No 1005/2009 - product does not contains no substances which will deplete the ozone layer.

Slit to various width sizes as required.

SIMILAR PRODUCTS

- 1823 Double sided PE foam black 0.6mm thick
- 1816 Double sided PE foam white 1.6mm thick
- 1818 Double sided PE foam white 3.2mm thick

SURFACE SUBSTRATE CONDITION & PREPARATION

The surfaces to be bonded must be dry & free from any contamination including dust, oils, & fats, oxidisation, release agents & any other known contamination.

The correct choice of surface cleaner depends on the surface properties. Essentially non-greasy cleaners are recommended including isopropanol alcohol (mixed 50/50 with clean water). Cleaning cloths must be clean, grease & fat free with no loose fibers or cloth particles. The bond strength is dependent upon the contact pressure of the adhesive to substrate. To assist this process all adhesive tapes require firm hand or roller pressure.

BONDING APPLICATION TEMPERATURE

We recommend that the product, substrate & environment should be between +15°C & 25°C. Ensure that the adhesive product & substrates are allowed time to adjust to the environment temperature before bonding.

For product storage we recommend that products are stored in their original packaging under dry conditions, ideally at room temperature but not warmer than +30°C. High relative humidity & direct sunlight must be avoided at all costs.

For more detailed handling instructions please refer to our comprehensive application guide.

PRODUCT USE

The information in this guide is based upon our knowledge & practical experience. This data is intended only as a source of information given without guarantee & does not constitute a warranty.

Due to the wide variety of possible uses & applications, customers should independently determine the suitability of these products for their specific purpose, prior to use. Trial samples are provided free of charge & without obligation.

For detailed surface preparation & application information please refer to our detailed Surface Condition & Preparation Guide.

NOTE: We recommend tape product testing to assess the suitability of the selected product to the end application & conditions. For surface preparation and guidelines please refer to our website www.tapespec.co.nz Advanced Tape Application Guide.



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