

POLYETHYLENE FOAM TAPE
DOUBLE SIDED

PRODUCT DATA SHEET

1822 DOUBLE SIDED POLYETHYLENE FOAM TAPE

DESCRIPTION

This tape consists of a black, closed cell polyethylene foam coated on both sides with a permanent bonding UV resistant modified acrylate adhesive. The 1822 is lined with a green double sided siliconised polyethylene release liner. The modified acrylate adhesive possesses good initial adhesion and excellent bond strength even on difficult plastic substrates.



ADHESIVE	MODIFIED SOLVENT ACRYLIC
CARRIER	BLACK POLYETHYLENE FOAM
RELEASE LINER	PLASTIC FILM (EASY RELEASE)

FEATURES



EXCELLENT SHEAR STRENGTH & INITIAL ADHESION

High Initial Adhesion & excellent shear strength. Very good bond strength to high & low surface energy substrates.



LONG LIFE, AGE RESISTANT

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



GOOD TEMPERATURE RESISTANCE

Very good temperature range (- 40°C to +100°C) resistance.



UV, HUMIDITY, SOLVENT, CHEMICAL RESISTANCE

Very good resistance to UV, chemicals, solvents & humidity. Suitable for exterior applications with excellent water resistance.



ROHS & REACH COMPLIANT

Complies with RoHs and REACH standards.



FCKW COMPLIANT

Meets FCKW regulations.

TYPICAL APPLICATIONS

- Excellent for attaching Automotive trim, panels, emblems and badges.
- Used for permanent fixing and installation of a variety of materials such as glass, metals, plastics and ceramics.
- Suitable for mounting lightweight signs, lettering and plastic moulded parts.
- Excellent self-adhesive medium for plastic trim, automotive profiles & badge attachment, signs & solar panel exterior bonding.
- Excellent long life durability when attached to metal, plastics, glass & high surface energy substrates.

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.



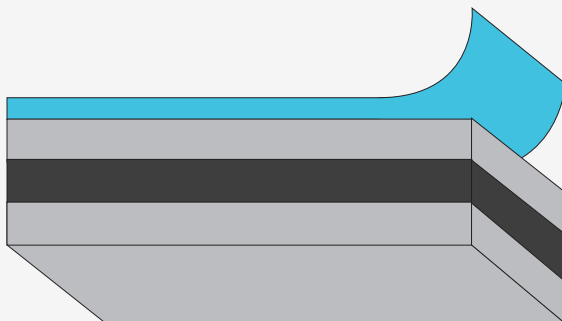
Available in hang sell retail packaging.

PRODUCT

DOUBLE SIDED POLYETHYLENE FOAM TAPE

Available Thicknesses: 1.1mm

TAPE STRUCTURE



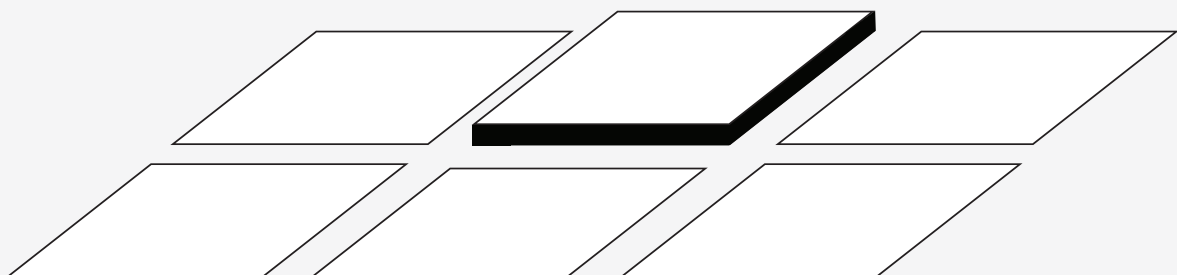
Plastic Film

Modified Solvent Acrylic Adhesive (AM2)

Black Polyethylene Foam (Closed-Cell)

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
Colour	Black
Adhesive	High bond modified acrylic
Liner	Both sides siliconised PE-film, green
Thickness (total)	1.1 mm
Density	58kg / m ³
Adhesive power (FINAT - TM 1 on stainless steel, one side covered with 50 microns polyester film)	1 minute - 18 N / 25 mm tear 20 minutes - 18 N / 25 mm tear 24 hours - 18 N / 25 mm tear
Loop Tack (FINAT TM9)	32 N / 25 mm
Shear strength (FINAT - TM 8, on stainless steel one side covered with 50 microns polyester film)	23° C > 300 hours 70° C > 6 hour
Minimum application temperature	12°C
Temperature Resistance	-40°C to + 100°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
Certificates	Design qualification and type approval of PV-modules in accordance with IEC 61215.

Slit to various width sizes as required.

SIMILAR PRODUCTS

- 1823 Double sided PE foam black 0.6mm thick
- 1811 Double sided PE foam white 1.1mm 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, oxidation, 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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