

DESCRIPTION

The **Premium PE Foam Tape** is made from cross linked tough PE (Polyethylene) foam and is coated one side with an aggressive long life acrylic adhesive. As PE foam contains no plasticizers, so is safe to use with plastic materials. The outer surface is smooth & friction free and both food & water compatible. - FDA Approval.

Product Code	Colour	Thickness
4105	White	3mm / 6mm
4106	Grey	6mm



FEATURES



AIR / LIGHT / MOISTURE SEAL

The fine closed cell composition provides high strength, conformability and excellent compression recovery. It completely seals out air, moisture & light when compressed at least 30%.



SHOCK & VIBRATION RESISTANT

This cell structure also cushions against shock & vibration while allowing easy fastener penetration.



NOISE STOP

The foam tape acts as an Anti-Noise Barrier especially in clear roof applications for reducing creaking noises, which can be caused by wind & temperature changes.



AGE & WEATHER RESISTANCE

Very good aging and weather resistance. Resistant to most solvent, oils & many chemicals.

CERTIFICATES



- **REACH:** Complies with EU Regulations 1907/2006/EC
- **ROHS:** Complies with EU Regulations 2011/65/EC
- **FDA:** Complies with: FDA 21 CFR 177.1520, 178.3010 & 177.1210.
- **Proposition 65:** Complies with the State of California Safe Drinking Water & Toxic Enforcement Act.
- **Living Building Challenge:** Do not contain any substances in the Living Building Challenge Red List Version 3.1, published by the International Living Future Institute.
- **Low VOC:** Classified as a low VOC emitting material - Green Building Cert purposes.
- **FREE From:** Chlorine, Plasticisers, Formaldehyde & Asbestos.
- Made under; ISO9001, ISO14001 & OHSAS 18001.

TYPICAL APPLICATIONS

- Excellent for various sealing and closure applications in air conditioning, heater assembly, rigid ducting, wall paneling, vending machines & food display cabinets.
- Used as a barrier to prevent electrolytic corrosion between different metals.
- Often used to cushion & stop vibration in manufactured machinery.
- Good for gap filling especially in construction concrete form-work.
- Used in the roofing industry to seal across battens & provide a noise stop barrier. Often called a Purlin tape - used on polycarbonate, PVC & fiberglass roofing.
- Suitable for die cutting and the making of gasket profiles - contact NZTS for assistance.

TECHNICAL INFORMATION

Backing	PE (Polyethylene) foam
Adhesive	Acrylic - High Bond & Long Life
Colour	White (4105) / Grey (4106)
Thickness	3mm / 6mm <i>Other thickness available upon request</i>
Density	33kg/m ³
Tear Resistance <i>(JIS K6767 Kg cm²)</i>	2.4 lengthwise 1.5 crosswise
Compression Strength <i>(JIS K6767 Kg cm²)</i>	0.49 - 25% Deflection 1.07 - 50% Deflection 2.07 - 75% Deflection
Compression Set <i>(70hrs after discharge %)</i>	8.5 - 25% Deflection 23 - 50% Deflection
Water Buoyance	956 (30) Kg cm ³
Noise Reduction	21.9 (2) db
Thermal at 273 k (0°C)	0.030 kcal/m °C
Resistance to	Fungi / Aspergillus Niger - black mould & various other common fungi types
Temperature Range	-40° to +100°C continuous
Recommend Temp Application	4°C to 25°C
Width	Can be slit to various width sizes: 3mm: 1250mm x 25m (log roll) 6mm: 1000mm x 12m (log roll)
Packaging	Can be retail / DIY / custom labelled & clam shell packaging to requirements

* The statements in this information sheet are based upon our knowledge and practical experience. The data is intended only as a source of information, is given without guarantee and does not constitute a warranty. Due to the wide variety of possible uses and applications, customers should independently determine the suitability of this material for their specific purpose, prior to use.

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) & acetone. 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 & 30°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

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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.

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