

Scapa AS12T0

Acrylic Foam Tape (AFT) - 2mm, High Temperature

DESCRIPTION

AS12T0 is a conformable double sided acrylic foam tape with a release liner on one side. The product is used for permanent bonding of materials such as metals, glass and some plastics, in interior and exterior applications. The product is available in white or grey colour.

APPLICATIONS

- Bonding metal to metal before passing through the powder coat painting process.
- Panel fixation, metal stiffener and reinforcement bar bonding: doors, lifts, trailers, cabinets, etc.
- Glass to ACM (aluminium composite material) bonding.
- Bonding and sealing of photovoltaic (PV) solar modules - crystalline silicon panels and back rail bonding. Meets the requirements of industry standard IEC 61215:2005.

PRODUCT BENEFITS

- Withstands expansion and contraction of materials without loss of adhesion due to its visco-elastic properties.
- Very high adhesion to metals and glass.
- Very high resistance to static and dynamic loads.
- Suitable for indoor and outdoor use (excellent UV and ageing resistance).
- Solvent free product.
- Complies with Directive 2002/95/EC (RoHS) restricting the use of heavy metals in electronics products.
- Service temperature: -30°C to +150°C continuous, and to +210°C peak (duration 1 hour).

TECHNICAL PROPERTIES

Technical Property	Nominal Value	Unit	Test Method
90° Peel Adhesion Steel: 20mins	60	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 20 min Glass	55	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 24 hr Glass	60	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 24 hr Steel	70	N/25mm	ASTM D330: PSTC 101
Density	800	Kg/m ³	Mass volume
Dynamic Shear Steel	300	N/(25mm) ²	ASTM D1002 24hr dwell
Elongation	800	%	ASTMD882
Rolling Ball Tack #14 (5.604g)	> 300	mm	ASTM D3121 PSTC 6M
Rolling Ball Tack #24 (28.2g)	> 300	mm	ASTM D3121 PSTC 6M
Static Shear 15 KPa @ 120° C	> 10,000	Min	ASTM D3654 PSTC 107M
Static Shear 23 KPa @ 93° C	> 10,000	Min	ASTM D3654 PSTC 107M
Static Shear 30 KPa @ 25° C	> 10,000	Min	ASTM D3654 PSTC 107M
Tensile Strength	30	N/25mm	ASTMD882

STANDARD PRESENTATIONS

- Colours: White or grey
- Core: 76mm, Plain plastic
- Packaging: Cardboard, bulk packed with silicone interleaving between layers
- Release Liner : Red Polyethylene (PE)
- Roll Length: 20 metres
- Roll Width: On request from 6mm to max. 900 mm.

RECOMMENDATIONS

Rolls should be stored flat on their cut edges in the original packaging. The product must be protected from dust, heat, moisture, direct sunlight and solvent fumes. The ideal storage temperature should be between 10°C and 30°C with relative humidity at 30 to 70%. The shelf life is 24 months from the date of manufacture. Surfaces should be clean, dry and free of dust, grease, oil or other contaminants.