

Scapa AS1100

Clear Acrylic Bonding Tape 0.25mm (AFT Range)

DESCRIPTION

AS1100 is a 0.25mm thick UV cured acrylic bonding transfer tape coated onto a paper release liner. The product is clear. It can be used on a wide variety of substrates including most metals, glass as well as many plastics.

APPLICATIONS

- Thin multi purpose bonding tape used in signage manufacturing, trim attachment, metal stiffener and electronic component bonding.

PRODUCT BENEFITS

- Service temperature: -30°C to +120°C continuous, and to +180°C peak (duration 1 hour).
- Complies with Directives 2000/53/EC (ELV) and 2002/95/EC (RoHS) restricting the use of heavy metals for products in the automotive and electronics markets.
- No volatile solvent residues and no known hazardous materials associated with this product.
- Suitable for indoor and outdoor applications (very good resistance to UV light).
- High thickness makes AS1100 suitable to bond rough or uneven surfaces.
- Excellent shear resistance even at high temperature.
- High adhesion on various surfaces: metals, glass, engineered plastics (not PE, PP).

TECHNICAL PROPERTIES

Technical Property	Nominal Value	Unit	Test Method
90° Peel Adhesion 20 min Glass	25	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 20 min Steel	25	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 24 hr Glass	35	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 24 hr Steel	35	N/25mm	ASTM D330: PSTC 101
Density	950	Kg/m ³	Mass-Volume
Dynamic Shear Steel	450	N/(25mm) ²	ASTM D1002 24hr dwell
Elongation	800	%	ASTMD882
Rolling Ball Tack #14 (5.604g)	250	mm	ASTM D3121 PSTC 6M
Rolling Ball Tack #24 (28.2g)	> 300	mm	ASTM D3121 PSTC 6M
Static Shear 15KPa @ 120°C	> 10,000	Min	ASTM D3654 PSTC 107M
Static Shear 23KPa @ 93°C	> 10,000	Min	ASTM D3654 PSTC 107M
Static Shear 30KPa @ 25°C	> 10,000	Min	ASTM D3654 PSTC 107M
Tensile Strength	6	N/25mm	ASTMD882

STANDARD PRESENTATIONS

- Colours: Transparent
- Core: 76mm, Plain plastic
- Packaging: Cardboard, bulk packed with silicone interleaving between layers
- Release Liner : Scapa branded white paper (PR)
- Roll Length: 33 metres
- Roll Width: On request from 6mm to max. 900 mm.
- Thickness : 0.25 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.