



Scapa AS1100

Acrylic Bonding Tape (AFT range)

DESCRIPTION

AS1100 is a 0.25mm thick UV cured thick 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, engineering plastics (not PE, PP)

TECHNICAL PROPERTIES

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

Note:

** Test sample Preparation*

Cleaning the substrates tested with isopropyl alcohol (IPA) or Acetone; lamination of the tape with a 2kg/5kg rubber roller back and forth once.

Tests conducted at: 25°C, ±5°C, and 35% ±15% RH

STANDARD PRESENTATIONS

- Thickness : 0.25 mm
- Roll Width: On request from 6mm to max. 1000 mm.
- Roll Length: 33 metres
- Release Liner : Scapa branded white paper (PR)
- Packaging: Cardboard, bulk packed with silicone interleaving between layers
- Core: 76mm, Plain plastic or Scapa branded cardboard core
- Colours: Transparent

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.