



Technical
DATA

Scapa AS1130TL

Translucent Acrylic Bonding Tape 0.64mm (AFT Range)

DESCRIPTION

AS1130TL is a UV cured thick acrylic bonding transfer tape coated onto a polyethylene release liner. The product is translucent (milky white). It can be used on a wide variety of substrates including most metals, glass as well as many plastics.

APPLICATIONS

- Used for application where substrate colour matching property is required.
- Area of application: commercial signage manufacturing (PMMA and coloured PC); furniture panels, glass cabinets; trim attachment (partition wall systems, decorative glazing trims); graphics mounting.

PRODUCT BENEFITS

- Service temperature: -30°C to +120°C continuous, and to +180°C peak (maximum duration 1 hour).
- High adhesion on various surfaces : metals, glass, engineering plastics (not PE, PP)
- Excellent shear resistance even at high temperature
- High thickness makes AS1130TL suitable to bond rough or uneven surfaces
- Suitable for indoor and outdoor applications (very good resistance to UV light)
- No volatile solvent residues and no known hazardous materials associated with this product
- 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.

TECHNICAL PROPERTIES

Technical Property	Nominal Value	Unit	Test Method
90° Peel Adhesion 20 min Glass	40	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 20 min Steel	40	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 24 hr Glass	55	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 24 hr Steel	40	N/25mm	ASTM D330: PSTC 101
Density	950	Kg/m ³	Mass-Volume
Dynamic Shear Steel	350	N/(25mm)	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 D3121 PSTC 6M
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	12	N/25mm	ASTMD882

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

- Colours: Translucent
- Core: 76mm, Plain plastic
- Packaging: Cardboard, bulk packed with silicone interleaving between layers
- Release Liner : Red, smooth release polyethylene (SPE)
- Roll Length: 33 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.