

Scapa AS1170

Translucent Acrylic Bonding Tape 1.14mm (AFT Range)

DESCRIPTION

AS1170TL is a UV cured thick acrylic bonding transfer tape coated onto a polyethylene release liner. The product is translucent (milky). It can be used on a wide variety of substrates including most metals, glass as well as many plastics.

APPLICATIONS

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

PRODUCT BENEFITS

- 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
- Service temperature: -30° to +120° continuous, and to +180°C peak (maximum duration 1 hour).
- 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 AS1170TL 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
90° Peel Adhesion 20 min Glass	50	N/25mm	ASTM D3330
90° Peel Adhesion 20 min Steel	50	N/25mm	ASTM D3330
90° Peel Adhesion 24 hr Glass	70	N/25mm	ASTM D3330
90° Peel Adhesion 24 hr Steel	70	N/25mm	ASTM D3330
Density	950	Kg/m ³	Mass-Volume
Dynamic Shear Steel	300	N/(25mm)	ASTM D1002
Elongation	800	%	ASTMD882
Rolling Ball Tack #14 (5.604g)	250	mm	ASTM D3121
Rolling Ball Tack #24 (28.2g)	>300	mm	ASTM D3121
Static Shear 15KPa @ 93°C	>10,000	Min	ASTM D3654
Static Shear 23KPa @ 93°C	>10,000	Min	ASTM D3654
Static Shear 30KPa @ 25°C	>10,000	Min	ASTM D3654
Tensile Strength	18	N/25mm	ASTMD882

STANDARD PRESENTATIONS

- Colours: Translucent
- Core: 76mm, Plain plastic.
- Packaging: Cardboard, bulk packed with silicone interleaving between layers
- Release Liner : Red, easy release polyethylene (SPE)
- Roll Length: 33 metres
- Roll Width: On request from 6mm to max. 900 mm.

Note:

Improved easy release siliconised red PE liner (SPE) effective May 2020.

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.