

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.