



Technical  
**DATA**

## Scapa AS1130TL

Translucent Acrylic Bonding Tape 0.64mm (AFT Range)

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### 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 <sup>3</sup> | 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.