

## Scapa AS1670

Acrylic Foam Tape (AFT) - 1.14mm, Grey, Conformable, Higher Temperature

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### DESCRIPTION

AS1670 is a highly conformable, strong double sided acrylic foam tape with a release liner on one side. The product is used for permanent bonding of materials such as metals, glass and some plastics, in interior and exterior applications.

### APPLICATIONS

- Panel fixation, metal stiffener and reinforcement bar bonding: doors, lifts, trailers, cabinets, traffic signs, etc.
- The bonding of emblems and trims in the automotive industry.
- The bonding of electronics components.

### PRODUCT BENEFITS

- Withstands expansion and contraction of materials without loss of adhesion due to its visco-elastic properties.
- High adhesion to metal, glass, and to some plastics: PVCu, Polycarbonate (PC), PMMA (acrylic) and ABS.
- High resistance to static and dynamic loads.
- Suitable for indoor and outdoor use (excellent UV and ageing resistance).
- Solvent free 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.
- Service temperature: -40°C to +150°C continuous, and to +180°C peak (duration 1 hour).
- Volatile Organic Compound (VoC) content: 0g/l

### Accreditation:

## TECHNICAL PROPERTIES

Technical Property	Nominal Value	Unit	Test Method
90° Peel Adhesion 20 min Glass	50	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 20 min Steel	60	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 24 hr Glass	75	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 24 hr Steel	80	N/25mm	ASTM D330: PSTC 101
Density	720	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)	> 300	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 D3654 PSTC 107M
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	20	N/25mm	ASTMD882

*Note:*

### *Test sample Preparation:*

*Test substrates cleaned with Isopropyl Alcohol (IpA) or Acetone; laminate 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: Grey
- Core: 76mm, Plain plastic
- Packaging: Cardboard, bulk packed with silicone interleaving between layers
- Release Liner : red, smooth release polyethylene (PE)
- 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.