

## Scapa AS123K

### Acrylic Foam Tape (AFT) - 0.64mm, White, LSE Plastics Bonding

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#### DESCRIPTION

AS123K is an acrylic foam tape, double side coated with a high tack and high peel adhesion pressure sensitive acrylic adhesive for low surface energy substrates. It is protected with a release liner on one side.

#### APPLICATIONS

- Used for bonding low surface energy substrates such as Polycarbonate (PC), ABS, Acrylic (PMMA), Polyester (PET) and Polyimide.
- The bonding of PE and PP requires the use of a primer to increase performance.
- The range of applications includes those in: white goods, automotive, signage, etc.

#### PRODUCT BENEFITS

- Withstands expansion and contraction of materials without loss of adhesion due to its visco-elastic properties
- Adhesive with very high tack for immediate adhesion, even to rougher surfaces.
- High strength under static and dynamic loads
- Suitable for indoor and outdoor use (excellent UV and ageing resistance)
- The structure of the foam gives high vibration damping and impact resistance
- 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 +80°C continuous, and to +120°C peak (duration 1 hour).

## TECHNICAL PROPERTIES

Technical Property	Nominal Value	Unit	Test Method
90° Peel Adhesion 20 min Glass	30	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 20 min Steel	30	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 20min ABS	55	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 20min PC	55	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 24 hr Glass	40	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 24 hr Steel	40	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 24hr ABS	70*	N/25mm	ASTM D330: PSTC 101
90° Peel Adhesion 24hr PC	70*	N/25mm	ASTM D330: PSTC 101
Density	820	Kg/m <sup>3</sup>	Mass-Volume
Dynamic Shear Steel	400	N/(25mm) <sup>2</sup>	ASTM D1002
Elongation	1000	%	ASTMD882
Rolling Ball Tack #14 (5.604g)	50	mm	ASTM D3121 PSTC 6M
Rolling Ball Tack #24 (28.2g)	150	mm	ASTM D3121 PSTC 6M
Static Shear 15KPa @ 93°C	>10,000	Min	ASTM D3121 PSTC 6M
Static Shear 30KPa @ 25°C	>10,000	Min	ASTM D3654 PSTC 107M
Tensile Strength	9	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  
\* denotes acrylic foam delamination.*

## STANDARD PRESENTATIONS

- Colours: White
- Core: 76mm, Plain plastic
- Packaging: Cardboard, bulk packed with silicone interleaving between layers
- Release Liner : Scapa branded white paper (PR)
- 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.