

## Scapa AS1B00

Thermal Conductive Acrylic Foam Tape (AFT) - White, 0.25mm Thick

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### DESCRIPTION

Scapa AS1B00 is a thermal conductive acrylic foam tape, protected with a release liner on one side. The product is available in white colour. The product is 0.25mm thick.

### APPLICATIONS

- Components of timing controller.
- Display back chassis.
- LED Array (Metal PCB).

### 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.
- Halogen-free tape.
- Very good bonding performance to multiple substrates (Plastics and others materials).
- Very good ageing properties due to its fully acrylic structure.
- Functionality combining bonding and heat dissipation in the form of thin, self adhesive tape.
- Pressure sensitive acrylic adhesive with thermal conductive particles.
- Service temperature: -30°C to +120°C continuous, and to +180°C short term (max. duration 1 hour).

## TECHNICAL PROPERTIES

Technical Property	Nominal Value	Unit	Test Method
180° Peel Adhesion 20 min Steel	4	N/25mm	ASTM D3330
180° Peel Adhesion 24 hr Steel	6	N/25mm	ASTM D3330
Breakdown Voltage	35	kV/mm	ASTM D149
Density	1900	Kg/m <sup>3</sup>	Mass-Volume
Dielectric Constant	2.5~3.5	K	ASTM D150
Dynamic Shear: SUS	400	N/(25mm) <sup>2</sup>	ASTM D1002
Elongation	700	%	ASTMD882
Insulation Resistance	>E15	Ω	ASTM D257
Static Shear 15KPa @ 120°C	10,000	Min	ASTM D3654
Static Shear 15KPa @ 25°C	10,000	Min	ASTM D3654
Tensile Strength	<30	N/25mm	ASTMD882
Thermal Conductivity	1.0	W/m•K	ASTM E1530

## STANDARD PRESENTATIONS

- Colours: White
- Core: 76mm, Plain plastic or Scapa branded cardboard core
- Packaging: Cardboard, bulk packed with silicone interleaving between layers
- Release Liner : Scapa branded white paper (PR).
- Roll Length: 50 m
- Roll Width: On request from 6mm to max. 1000 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 20 ± 10°C with relative humidity at 50± 20%. 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.