

Scapa AS72525

Thermal Conductive Acrylic Foam Film Tape (AFFT) - white, 0.25mm thick

DESCRIPTION

Scapa AS72525 is an acrylic foam film tape (AFFT), double side coated with thermal conductive acrylic adhesive containing heat conductive particles, on a Polyester (PET) carrier. The product is presented with a release liner on one side. The product is available in white colour and is 0.25mm thick.

APPLICATIONS

- Mounting LED arrays on metal profiles (for example LED TV).
- Bonding components generating heat to a heat sink.

PRODUCT BENEFITS

- Service temperature: -30°C to +100°C (continuous), and -30°C to +150°C peak (duration of 1 hour).
- The product is V-2 rated to UL®94 for flame Retardancy.
- Pressure sensitive acrylic adhesive with thermal conductive particles.
- Very good at multiple substrates (Plastics and others materials).
- Halogen-free tape.
- 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
180° Peel Strength 20 min Dwell	15	N/25mm	ASTM D3330
180° Peel Strength 24 hr Dwell	20	N/25mm	ASTM D3330
Breakdown Voltage	40	kV/mm	ASTM D149
Density	1600	Kg/m ³	Mass-Volume
Dielectric Constant	0.8	K	ASTM D150
Dynamic Shear Aluminium	350	N/(25mm) ²	ASTM D1002 24hr dwell
Dynamic Shear Steel	300	N/(25mm) ²	ASTM D1002 24hr dwell
Elongation	70	%	ASTMD882
Flame Retardancy	V-2	-	UL94
Insulation Resistance	Over E15	Ω	ASTM D149
Static Shear 25°C	168	Hours	ASTM D1002 24hr dwell
Static Shear 90°C	168	Hours	ASTM D1002 24hr dwell
Tensile Strength	60	N/25mm	ASTMD882
Thermal Conductivity	0.5	W/m•K	ASTM D3330

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: 50 metres
- Roll Width: On request from 6mm to max. 900mm

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.