



TECHNICAL DATA

Scapa AS72525 AS72535 AS72540

Thermal Conductive Acrylic Foam Film Tape (AFFT)

DESCRIPTION

The **AS725xx** series are acrylic foam film tapes (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 products are available in white

CONSTRUCTION

The product thickness range is 0.25 mm, 0.35mm and 0.4mm.

Items	AS72525W	AS72535W	AS72540W
Thickness	0.25mm	0.35mm	0.4mm
Liner	Paper	Paper	Paper

APPLICATIONS

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

PRODUCT BENEFITS

- **The products are V-0 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.
- Service temperature: -30°C to +100°C (continuous), and -30°C to +180°C peak (duration of 1 hour).

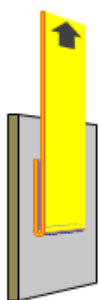
TECHNICAL PROPERTIES

Test and depiction of test

Test Method

Technical Data

180° Peel Strength



Sample size : 25mm width x 75mm length

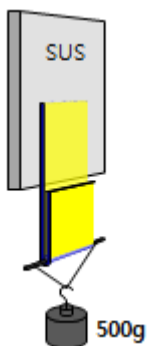
Jaw speed : 300mm/min

Substrate : Steel

Unit : N/25mm

Product	20min dwell	24hr dwell
AS72525	15	20
AS72535	15	22
AS72540	15	25

Static Shear



Sample size : 25mm x 25mm with 1kg/500g weight

Substrate : Steel

Conditions: 15KPa 25°C and 8KPa 93°C

Unit : min

Product	25°C	90°C
AS72525	168hr	168hr
AS72535	168hr	168hr
AS72540	168hr	168hr

Dynamic Shear



Sample size : 25mm x 25mm

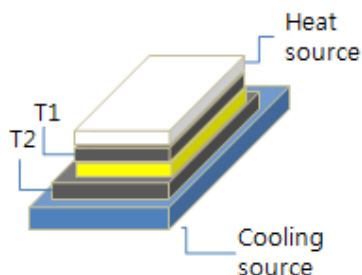
Jaw speed : 12.7mm/min

Substrates : Steel, Aluminium

Unit : N/(25mm)²

Product	Steel	Aluminium
AS72525	300	350
AS72535	350	400
AS72540	350	400

Thermal Conductivity



Sample size : 50mm diameter

Temperature : 20°C~40°C

Pressure : 20~25 psi

Unit: W/m-K

Product	Thermal conductivity
AS72525	0.8
AS72535	0.8
AS72540	0.8

Physical Properties

Properties	Unit	Average Value	Test Method
Tensile Strength	N/25mm	60	ASTM D882
Elongation	%	70	ASTM D882
Density	Kg/m ³	1600	Mass-Volume
Dielectric Constant	-	0.8	ASTM D150
Insulation Resistance	Ω	Over E15	ASTM D257
Breakdown Voltage	kV/mm	40	ASTM D149
Flame Retardancy	-	V-0	UL94

- Tests conducted at: 25 °C ±5°C; 35% ±15% RH

STANDARD PRESENTATION

Roll length	33 metres
Roll width	On request (max. 1,000 mm)
Core	76mm, Plain plastic or Scapa branded cardboard core
Packaging	Cardboard, bulk packed with silicone interleaving between layers
Colour	White
Release liner	Scapa branded white paper (PR)

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.