BARNIER ® AS127K

Acrylic Foam Tape (AFT)

DESCRIPTION

AS127K 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. The product is 1.14mm thick.

APPLICATIONS

- Sign manufacturing, gluing of finishing profiles, gluing of stiffeners and gluing of "small woods" (making windows).

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).
- Maximum recommended weight loading of 0.306 kg/cm²

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TECHNICAL PROPERTIES

Technical Property	Nominal Value	Unit	Test Method
90º Peel Adhesion 20 min Glass	45	N/25mm	ASTM D330: PSTC 101
90º Peel Adhesion 20 min Steel	45	N/25mm	ASTM D330: PSTC 101
90º Peel Adhesion 20min ABS	60	N/25mm	ASTM D330: PSTC 101
90º Peel Adhesion 20min PC	60	N/25mm	ASTM D330: PSTC 101
90º Peel Adhesion 24 hr Glass	60	N/25mm	ASTM D330: PSTC 101
90º Peel Adhesion 24 hr Steel	60	N/25mm	ASTM D330: PSTC 101
90º Peel Adhesion 24hr ABS	85*	N/25mm	ASTM D330: PSTC 101
90º Peel Adhesion 24hr PC	85*	N/25mm	ASTM D330: PSTC 101
Density	800	Kg/m³	Mass-Volume
Dynamic Shear Steel	350	N/(25mm)	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 12KPa @ 93℃	> 10,000	Min	ASTM D3654 PSTC 107M
Static Shear 30KPa @ 25ºC	> 10,000	Min	ASTM D3654 PSTC 107M
Tensile Strength	20	N/25mm	ASTMD882

Note:

** denotes acrylic foam delamination.*

Test sample Preparation: Substrates tested are cleaned 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.

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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) or red, smooth release polyethylene (SPE)
- Roll Length: 33 metres
- 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 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.

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