# 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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