

SA1020

POLYSIL SILICONE / ACRYLIC DOUBLE COATED ADHESIVE TAPE

PRODUCT DESCRIPTION

Double Coated Tape with Two Liners

PolySil™ SA1020 is a double coated / double lined polyester (PET) tape with a silicone pressure sensitive adhesive on one side and an acrylic pressure sensitive adhesive on the other. SA1020 provides a solution for bonding silicone-based substrates to non-silicone materials. The silicone adhesive is designed to provide a strong bond to a variety of silicone and other low surface energy substrates, while the acrylic adhesive offers high adhesion to many materials.

FEATURES & BENEFITS

- Designed for bonding dissimilar materials
- Excellent elevated temperature shear
- UV and chemical resistant
- Performs well in a wide temperature range
- Silicone exhibits superior bonding to low surface energy materials
- Versatile, performance acrylic bonds to a wide variety of materials

PRODUCT CONSTRUCTION



PRODUCT SPECIFICATIONS

Test	Typical Value	Typical Value (Metric)	Test Method
Product Thickness (Total)	5.00 mils	0.127 mm	PSTC-133
Adhesive Thickness (Liner Side)	2.00 mils	0.051 mm	PSTC-133
Carrier Thickness	1.00 mils	0.025 mm	PSTC-133
Adhesive Thickness (Exposed Side)	2.00 mils	0.051 mm	PSTC-133
Peel Adhesion	60 oz/in	16.67 N/25mm	PSTC-101
Tack	48 oz	1361 g	ASTM D 2979
Shear Adhesion	>168 hrs @ 2.2 psi	>168 hrs @15.2 kPa	PSTC-107
Tensile Strength	25 lb/in	109 N/25mm	PSTC-131
Elongation	180 %	180 %	
Minimum Service Temperature	-40 °F	-40 °C	
Maximum Service Temperature	350 °F	177 °C	

Tested values are typical under standard conditions and are not intended to be used for specification development. Technical data is believed to be true and accurate; Adhesive Applications recommends that the purchaser test for performance and fitness of use in all applications.

NOTE: Peel Adhesion listed above is for the acrylic; Peel Adhesion for the silicone is 55 oz/in (15.28 N/25mm)

Adhesive Applications - The Adhesive Solutions Company

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