

# 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

Note: (A)=Acrylic Side, (S)=Silicone Side

Test	Side	Typical Value	Typical Value (Metric)	Test Method
Product Thickness (Total)		5 mils	0.127 mm	PSTC-133
Adhesive Thickness	(A)	2 mils	0.051 mm	PSTC-133
Carrier Thickness		1 mils	0.025 mm	PSTC-133
Adhesive Thickness	(S)	2 mils	0.051 mm	PSTC-133
Peel Adhesion	(A)	60 oz/in	16.67 N/25mm	PSTC-101
	(S)	55 oz/in	15.28 N/25mm	PSTC-101
Tack	(A)	48 oz	1361 g	ASTM D2979
	(S)	40 oz	1134 g	ASTM D2979
Shear Adhesion	(A)	> 168 hrs@2.2psi	> 168 hrs@15.2kPa	PSTC-107
	(S)	> 168 hrs@2.2psi	> 168 hrs@15.2kPa	PSTC-107
Tensile Strength		25 lb/in	109 N/25mm	PSTC-131
Elongation		180 %	180 %	
Min. Service Temperature		-40 °F	-40 °C	
Max. 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.

### Adhesive Applications - The Adhesive Solutions Company

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