

TECHNICAL DATASHEET:

SA1911 Polysil Silicone/Acrylic Double Coated Adhesive Tape

PRODUCT DESCRIPTION

Polysil™ SA 1911 is a double coated/double lined polyester tape with a silicone pressure sensitive adhesive on one side and an acrylic pressure sensitive adhesive on the other. The silicone adhesive is designed for a strong bond to silicone foam, rubber and other low surface energy substrates, while the acrylic adhesive offers high adhesion to a wide range of materials and excellent heated shear properties.

TYPICAL APPLICATIONS

- Provides a solution for bonding silicone-based substrates to non-silicone materials
- Bonding to low surface energy substrates

PRODUCT FEATURES & BENEFITS

- Engineered for bonding dissimilar materials
- Excellent conformability
- Maintains performance at high temperatures
- Silicone PSA gives superior bond to silicone materials, including foams and LSR substrates

TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
ADHESIVE THICKNESS, ACRYLIC SIDE	2.2 mils	PSTC-133
ADHESIVE THICKNESS, SILICONE SIDE	2.8 mils	PSTC-133
CARRIER THICKNESS	0.5 mils	
TOTAL THICKNESS	5.5 mils	PSTC-133
ADHESIVE TYPE	Silicone & Acrylic	
ADHESIVE SYSTEM	Permanent Adhesive	
ADHESIVE SIDE	Double Sided Adhesive	
ADHESIVE BACKING/CARRIER	PET	
COLOR	Clear	
LINER	Kraft (White)	
PEEL ADHESION, ACRYLIC SIDE	70 oz/in	PSTC-101
PEEL ADHESION, SILICONE SIDE	72 oz/in	PSTC-101
SHEAR ADHESION @ 2.2 PSI, ACRYLIC SIDE	>168 hours	PSTC-107
SHEAR ADHESION @ 2.2 PSI, SILICONE SIDE	>168 hours	PSTC-107
TACK, ACRYLIC SIDE	42 oz	ASTM D2979
TACK, SILICONE SIDE	38 oz	ASTM D2979
MAXIMUM SERVICE TEMPERATURE	300°F	
MINIMUM SERVICE TEMPERATURE	-40°F	
TENSILE STRENGTH	15 lb/in	PSTC-131
ELONGATION	110%	

Specifications are believed to be accurate at the time of publication and are subject to change without notice. It is the responsibility of the end-user to test and determine suitability of this material for a particular application. **REV. 0**