

SP590

POLYSIL POLYIMIDE SILICONE ADHESIVE TAPE

PRODUCT DESCRIPTION

Single Coated Tape

PolySil™ SP590 offers optimum performance in electrical and thermal insulation. Continuous service temperature range is -100°F to 500°F (-73°C to 260°C) with short term, intermittent service to 600°F (315°C). Provides clean removal in high temperature masking applications.

FEATURES & BENEFITS

- High temperature resistant
- Clean removal / no adhesive residue
- Chemical and abrasion resistant
- Good conformability
- Meets ASTM D5213 type 1 item A

PRODUCT CONSTRUCTION



PRODUCT SPECIFICATIONS

Test	Typical Value	Typical Value (Metric)	Test Method
Product Thickness (Total)	2.50 mils	0.064 mm	PSTC-133
Adhesive Thickness	1.50 mils	0.038 mm	PSTC-133
Carrier Thickness	1.00 mils	0.025 mm	PSTC-133
Peel Adhesion	26 oz/in	7.22 N/25mm	PSTC-101
Tack	22 oz	624 g	ASTM D 2979
Shear Adhesion	168 hrs @ 2.2 psi	168 hrs @15.2 kPa	PSTC-107
Tensile Strength	24 lb/in	105 N/25mm	PSTC-131
Elongation	60 %	60 %	
Minimum Service Temperature	-100 °F	-73 °C	
Maximum Service Temperature	500 °F	260 °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

41 O'Neill Street
Easthampton, MA 01027

413-527-7120 Main
800-356-3572 Toll Free U.S.

www.adhesiveapps.com

Adhesive
Applications™

Rev A

2/27/2018

