

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
- Meets 94VTM-1 Requirements

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

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Adhesive
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