

# S583

## POLYSIL WHITE SILICONE ADHESIVE PLATERS FILM TAPE

### PRODUCT DESCRIPTION

#### Single Coated Tape

PolySil™ S583 is a polyester film tape coated with a white opaque silicone adhesive, specifically compounded to resist plating bath chemicals in solder stripping and precious metal plating of finger contacts. The tape conforms to high circuit density patterns to provide clean line definition and resist undercutting. The tape can be removed without leaving adhesive residue, eliminating the need for subsequent solvent scrubbing.

### FEATURES & BENEFITS

- High performance silicone tape
- Excellent conformability
- Controlled adhesion level allows clean removal
- High temperature, chemical resistant silicone
- Fine line definition; ideal for high density and complex masking
- Ideal for PC board masking during plating, precious metal plating, electrical insulation and splicing silicone coated materials

### PRODUCT CONSTRUCTION



### PRODUCT SPECIFICATIONS

Test	Typical Value	Typical Value (Metric)	Test Method
Product Thickness (Total)	3.60 mils	0.091 mm	PSTC-133
Adhesive Thickness	2.60 mils	0.066 mm	PSTC-133
Carrier Thickness	1.00 mils	0.025 mm	PSTC-133
Peel Adhesion	20 oz/in	5.56 N/25mm	PSTC-101
Tack	10 oz	284 g	ASTM D 2979
Shear Adhesion	168 hrs @ 2.2 psi	168 hrs @15.2 kPa	PSTC-107
Tensile Strength	25 lb/in	3 N/25mm	PSTC-131
Elongation	180 %	180 %	
Minimum Service Temperature	-60 °F	-51 °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.

### Adhesive Applications - The Adhesive Solutions Company

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