

# S580

## POLYSIL RED SILICONE PLATERS TAPE

### PRODUCT DESCRIPTION

#### Single Coated Tape

PolySil™ S580 is a red polyester (PET) crosslinked silicone adhesive tape with controlled adhesion and good conformability for sharp line definition in etching and plating operations. The controlled level of crosslinking assures a proper balance of adhesion to substrates, chemical resistance and clean removal with no residue. The tape is unique in that the adhesive system is translucent on the polyester and allows the operator to make precision alignments easily.

### FEATURES & BENEFITS

- High tack for quick adhesion
- Clean removal / no adhesive residue
- Chemical and abrasion resistant
- Good conformability

### PRODUCT CONSTRUCTION



### PRODUCT SPECIFICATIONS

Test	Typical Value	Typical Value (Metric)	Test Method
Product Thickness (Total)	4.00 mils	0.102 mm	PSTC-133
Adhesive Thickness	3.00 mils	0.076 mm	PSTC-133
Carrier Thickness	1.00 mils	0.025 mm	PSTC-133
Peel Adhesion	42 oz/in	11.67 N/25mm	PSTC-101
Tack	40 oz	1134 g	ASTM D 2979
Shear Adhesion	168 hrs @ 2.2 psi	168 hrs @ 15.2 kPa	PSTC-107
Tensile Strength	25 lb/in	109 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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