

S1001-1

POLYSIL 1 MIL CLEAR SILICONE TRANSFER TAPE

PRODUCT DESCRIPTION

Transfer Adhesive - Double Liner

PolySil™ S1001-1 silicone transfer adhesive is designed for high performance applications requiring chemical resistance, excellent bond strength and resistance to extreme temperatures (-100°F to 500°F). The 1 mil pressure sensitive silicone adhesive is protected by two clear fluorosilicone coated polyester (PET) film liners. S1001-1 bonds well to metals, silicone foam, most plastics and low energy surfaces such as polyethylene and polypropylene.

FEATURES & BENEFITS

- Excellent chemical resistance
- Excellent bond strength
- Performs in extreme temperatures
- UV resistant
- Passes (score 0) Primary Skin Irritation per ISO 10993-10
- Passes (score 0) Cytotoxicity per ISO 10993-5

PRODUCT CONSTRUCTION



PRODUCT SPECIFICATIONS

Test	Typical Value	Typical Value (Metric)	Test Method
Adhesive Thickness	1.00 mils	0.025 mm	PSTC-133
Peel Adhesion	40 oz/in	11.11 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
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

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Applications™

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