

# S1005

## POLYSIL 5 MIL CLEAR SILICONE TRANSFER TAPE

### PRODUCT DESCRIPTION

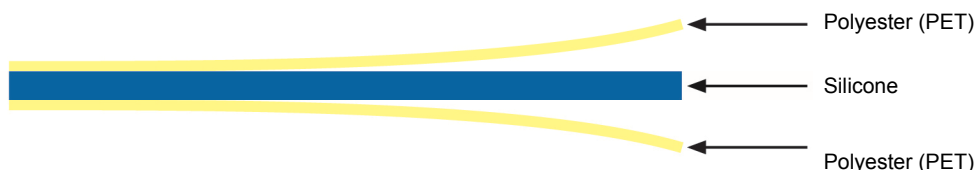
#### Transfer Adhesive - Double Liner

PolySil™ S1005 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 5 mil silicone adhesive is protected by two clear fluorosilicone coated polyester (PET) film liners. S1005 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          | 5.00 mils         | 0.127 mm               | PSTC-133    |
| Peel Adhesion               | 76 oz/in          | 21.12 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

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