

## Loctite® Shadowcure™ 5293 Silicone Coating

Category : Polymer , Adhesive , Thermoset , Silicone , Silicone, RTV, Adhesive/Sealant Grade

### Material Notes:

Conformal Coatings Conformal coatings are thin dielectric coatings that extend the longevity of circuit boards by protecting components and traces from corrosion, shorts, and mechanical damage. Loctite offers both acrylic/urethane and silicone conformal coatings which are cured by UV, heat, or a two-part cure mechanism. Loctite® 5293 Silicone Shadowcure™ Coating A silicone coating for severe temperature cycling environments and high reliability automotive use. Dual UV and moisture cure system. No solvents. Low VOC. Cure Type: UV or Moisture MIL-I-46058C Automotive; UL-746C Approved.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Loctite-Shadowcure-5293-SiliconeCoating.php](http://www.lookpolymers.com/polymer_Loctite-Shadowcure-5293-SiliconeCoating.php)

Physical Properties	Metric	English	Comments
Viscosity	600 cP	600 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	70	70	ASTM D2240

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	204 °C	399 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	8.00e+16 ohm	8.00e+16 ohm	ASTM D257
Dielectric Strength	630 kV/mm	16000 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	0.333 min	0.00556 hour	Primary Cure is UV: Full Cure in 20-40 seconds @ 70 mW/cm^2. Secondary Cure is Moisture: Tack free in 2-6 hours, Full cure in 72 hours.

Descriptive Properties	Value	Comments
Color	Clear/Yellow	

## Contact Songhan Plastic Technology Co.,Ltd.

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