

Loctite® 5071 Silicone Encapsulant

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® 5071 Silicone Encapsulant A paste UV curable silicone coating that provides stress relief for thermal cycling. Permits easy removal for component repair. Cure Type: UV

Order this product through the following link:

http://www.lookpolymers.com/polymer_Loctite-5071-SiliconeEncapsulant.php

Physical Properties	Metric	English	Comments
Viscosity	15 cP	15 cP	Extrusion rate, 25C, 30 psi, 15 gauge needle

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40	40	

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	>= 3.50e+16 ohm	>= 3.50e+16 ohm	ASTM D257
Dielectric Strength	16.7 kV/mm	425 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	1.00 min	0.0167 hour	UV Full Cure in 60 seconds at 75 mW/cm ²

Descriptive Properties	Value	Comments
Color	Clear	

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