

Loctite® 5420 Heat Cure Form-In-Place Electrically Conductive Silicone Sealant

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

Material Notes:

Electrically Conductive Bonders and Gasketing and Wire TackersLoctite® Electrically Conductive Adhesives are used in a variety of applications where electrical connectivity is needed, providing a conductive path where traditional methods such as solder, are not practical. Electrically Conductive Adhesives are ideal for attaching temperature sensitive components, or providing electrical interconnections on non-solderable substrates, such as plastic and glass. Loctite offers a complete line of electrically conductive adhesives to meet almost any need including: flexible, heat cure, room temperature cure, screen printable, high adhesion, and rapid cure. Loctite® innovative gasketing products offer precise, reliable sealing of electronic enclosures, protecting them from environmental hazards. Loctite offers both Form-in-place (FIP) and Cure-in-Place (CIP) compression gasket materials. Loctite® Tak Pak Adhesives are used to secure wires to printed circuit board assemblies. The fast cure times of these adhesives help increase the throughput of the wire tacking assembly process. Loctite® 5420 Heat Cure Form-In-Place Electrically Conductive Silicone SealantProvides a resilient ground path for sensitive electronic devices. A non-corrosive form-in-place electrically conductive silicone that provides a ground path for sensitive electronic devices. Black paste heat cures in minutes to form a resilient seal. Volume resistivity is 150 O-cm. Cure Type: Heat Bonding Type: Silicone

Order this product through the following link:

http://www.lookpolymers.com/polymer_Loctite-5420-Heat-Cure-Form-In-PlaceElectrically-Conductive-Silicone-Sealant.php

Physical Properties	Metric	English	Comments
Density	2.00 g/cc	0.0723 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	
Tensile Strength, Ultimate	3.28 MPa	475 psi	
Elongation at Break	125 %	125 %	

Electrical Properties	Metric	English	Comments
Volume Resistivity	150 ohm-cm	150 ohm-cm	

Processing Properties	Metric	English	Comments
Cure Time	5.00 min	0.0833 hour	5 min. @ 150°C
Shelf Life	3.00 Month	3.00 Month	shelf life at 5°C

Descriptive Properties	Value	Comments
Color	Black	
Extrusion Rate		1/8" orifice at 90 psi



Descriptive Properties

Value

Comments

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