

Parker Chomerics Tecknit® 72-00005 Silver-Filled Flexible Resin Caulking System

Category : Polymer

Material Notes:

Description: TECKNIT standard electrically conductive caulks consist of four one-component resin systems filled with silver plated glass or copper particles. These systems are formulated to provide over 100 dB total shielding effectiveness across the RF spectrum. They may be used to improve joint or seam integrity for all types of electronic enclosures. An outstanding feature of these one-component systems is the ease with which they may be applied with conventional caulking guns and dispensing equipment, such as small bead orifice syringes. Hand application with spatula or putty knife is also simple. High yield per pound is another advantage offered in these conductive caulks.

Proprietary formulation techniques result in lower density than most current state-of-the-art caulking compounds. The systems are safe to handle, very easily applied and free of any corrosive binders. They contain silver plated glass or copper particles for electrical conductivity, assuring stable operation over wide temperature ranges not generally possible with carbon- black filled systems.

Application Information: This thixotropic cream system, which remains permanently flexible after curing, is easy to apply with standard caulking equipment. It is a thermoplastic + solvent type, which dries quickly to a highly conductive seal. Small beads are easily drawn. It is safe to handle, nonexothermic and has excellent adhesion to metal. The system is watertight, ozone resistant, and non-corrosive to applied surfaces.

Among the chief uses are caulking EMI tight cabinets and enclosures, fasteners, panels and handles. The system is extremely vibration and thermal shock resistant. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-Tecknit-72-00005-Silver-Filled-Flexible-Resin-Caulking-System.php

Mechanical Properties	Metric	English	Comments
Shear Strength	>= 0.0276 MPa	>= 4.00 psi	Cured; ASTM D1002

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	94.0 °C	201 °F	Cured
Minimum Service Temperature, Air	-54.0 °C	-65.2 °F	Cured
Shrinkage	<= 46 %	<= 46 %	Cured

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.0050 ohm-cm	<= 0.0050 ohm-cm	Cured; QAP-1017

Processing Properties	Metric	English	Comments
Cure Time	4320 min	72.0 hour	Recommended Cure
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	4320 min	72.0 hour	Full Cure
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Processing Properties	Metric	English	Comments
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Descriptive Properties	Value	Comments
Color	Tan	
Consistency	Liquid	
Filler	Ag/Glass	
Final Condition	Flexible	
Number of Components	One	
Resin	Polyolefin	
Volume	16 in ³	
Weight	16 oz	

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