

Parker Chomerics Tecknit® 72-00014 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 system is a conductive, fast room temperature curing silicone-silver caulking compound. Ease of application and high electrical conductivity are outstanding features of this flexible system. It is used to fill gaps in shielded room joints, repair damaged conductive gaskets and shield/seal permanently mounted panels, components and hardware. This system will withstand shock vibration, seam warping
Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-Tecknit-72-00014-Silver-Filled-Flexible-Resin-Caulking-System.php

Mechanical Properties	Metric	English	Comments
Shear Strength	>= 0.172 MPa	>= 24.9 psi	Cured; ASTM D1002

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	204 °C	399 °F	Cured
Minimum Service Temperature, Air	-63.0 °C	-81.4 °F	Cured
Shrinkage	<= 26 %	<= 26 %	Cured

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.010 ohm-cm	<= 0.010 ohm-cm	Cured; QAP-1017

Processing Properties	Metric	English	Comments
Cure Time	1440 min	24.0 hour	Recommended Cure
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	1440 min	24.0 hour	Full Cure
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Shelf Life	9.00 Month	9.00 Month	Unopened Container

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Color		Tan	
Consistency		Self-Leveling	
Filler		Ag/Glass	
Final Condition		Flexible	
Number of Components		One	
Resin		Silicone	
Volume		13.8 in ³	
Weight		16 oz	

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