

Parker Chomerics Tecknit® 72-00151 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 silver plated, highly conductive, moisture curing RTV silicone caulking compound has excellent adhesion to metals and is ideal for permanent EMI shielding and fluid sealing. Primer is supplied in a separate vial. Allow the primer to dry 1 to 2 hours under normal room temperature and humidity conditions. This material is well suited for aerospace and military applications and is an ideal material where good conductivity, flexible and long life expectancy are required. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-Tecknit-72-00151-Silver-Filled-Flexible-Resin-Caulking-System.php

Mechanical Properties	Metric	English	Comments
Shear Strength	>= 1.03 MPa	>= 149 psi	Cured; ASTM D1002
Peel Strength	>= 0.526 kN/m	>= 3.00 pli	Silicone Aluminum; Cured; ASTM D1876

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	Cured
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	Cured
Shrinkage	<= 1.0 %	<= 1.0 %	Cured

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.010 ohm-cm	<= 0.010 ohm-cm	Cured; QA-1038

Processing Properties	Metric	English	Comments
Cure Time	4320 min	72.0 hour	50%; Recommended for 1/8" dia bead
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	10100 min	168 hour	50%; Full Cure

Processing Properties	@Temperature 25.0 °C Metric	@Temperature 77.0 °F English	Comments
Shelf Life	9.00 Month	9.00 Month	Unopened Container

Descriptive Properties	Value	Comments
Color	Gary	
Consistency	Paste	
Filler	Ag/Copper	
Final Condition	Flexible	
Number of Components	One	
Resin	Silicone	
Volume	1 in ³	
Weight	2 oz	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China