

Parker Chomerics Tecknit CON/RTV-I One Part: Silver-Filled Silicone RTV

Category : Polymer , Thermoset , Silicone

Material Notes:

Description: TECKNIT CON/RTV-I system is a pure silver loaded, one component RTV silicone adhesive sealant. It is ready to use without mixing and cures quickly at room temperature on exposure to moisture in the air to form a flexible, resilient, conductive bond or seal. Application Information: TECKNIT CON/RTV-I can be used in the following applications: Bonding or installing various conductive silicone elastomer EMI gaskets. These include silver filled silicone (CONSIL®), silicone filled with stainless steel fiber. (TECKFELT™), silicone impregnated woven (DUOLASTIC™), expanded (TECKSPAN™), metal aluminum wire or silicone filled oriented wire (ELASTOMET®). It can also be used for attaching porous or wire mesh materials. For joining strips of conductive elastomers to form continuous shield/seal rings or gaskets. To form-in-place conductive gasketing to attach shielding windows to frames or bezels, and in turn, installing the framed window on a shielding enclosure; for in place EMI gasketing of shield penetrating components such as connectors or switches: conductively attaching small screens, honeycomb or metal shielding vents to enclosures. For flow-in-place EMI gasketing for grooves in cast boxes or covers or as a conductive seam sealant. Generally, these are field repair or "fix" applications. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-Tecknit-CONRTV-I-One-Part-Silver-Filled-Silicone-RTV.php

Mechanical Properties	Metric	English	Comments
Shear Strength	>= 1.03 MPa	>= 149 psi	Cured; ASTM D1002
Peel Strength	>= 0.351 kN/m	>= 2.00 pli	Silicone Aluminum; Cured; ASTM D1876

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	204 °C	399 °F	Cured
Minimum Service Temperature, Air	-59.0 °C	-74.2 °F	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	1440 min	24.0 hour	50%; Recommended for 1/8" dia bead
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	4320 min	72.0 hour	50%; Full Cure
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	5.0 min	5.0 min	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Shelf Life	5.50 Month	5.50 Month	Unopened Container

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Color		Silver-Tan	
Consistency		Thick Paste	
Filler		Ag	
Final Condition		Flexible	
Number of Components		One	
Resin		Silicone	
Volume		1.1 in ³	
Weight		2 oz	

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