

Parker Chomerics Tecknit Teckfip™ FIP-A Formed in Place Conductive Elastomer

Category : Polymer

Material Notes:

Description: This compound is ideally suited to corrosion-concerned applications where the gasket is applied to an aluminum casting. The corrosion resistance is enhanced due to the galvanic compatibility between the casting and the conductive Aluminum/Copper particle used. The compression set performance is good and this compound offers a very stable EMI shielding performance even under large mechanical stress. The electrical conductivity performance and EMI shielding is very similar to the high performing FIP-C elastomer gasket. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-Tecknit-Teckfip-FIP-A-Formed-in-Place-Conductive-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.975 - 4.025 g/cc	2.975 - 4.025 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	57 - 67	57 - 67	
Tensile Strength	>= 0.621 MPa	>= 90.0 psi	
Elongation at Break	>= 30 %	>= 30 %	
Peel Strength	>= 9.00 kN/m	>= 51.4 pli	
Compression Set	15 - 25 %	15 - 25 %	
	15 %	15 %	
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.010 ohm-cm	<= 0.010 ohm-cm	
Surface Resistance	<= 0.020 ohm	<= 0.020 ohm	
	<= 0.020 ohm	<= 0.020 ohm	
	@Temperature 85.0 °C, Time 605000 sec	@Temperature 185 °F, Time 168 hour	

Electrical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Dry Time	0.200 hour	0.200 hour	Tack Free
Cure Time	1440 min	24.0 hour	
Shelf Life	1.00 Month	1.00 Month	Syringe
	6.00 Month	6.00 Month	Cartridge

Descriptive Properties	Value	Comments
Color	Silver/Tan	
Filler	Silver Aluminum Heat Cure	

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