

Parker Chomerics Tecknit Teckfip™ FIP-E (SP) Formed in Place Conductive Elastomer

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

This is the small particle version of the Ag/glass (FIP E) compound that was specifically designed for the mobile cell phone applications. It should be noted that this compound offers a low compression set, making it ideally suited to applications where by the gasket is frequently compressed and uncompressed. Information provided by Chomerics

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Specific Gravity	1.53 - 2.07 g/cc	1.53 - 2.07 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60 - 80	60 - 80	
Tensile Strength	>= 1.88 MPa	>= 273 psi	
Elongation at Break	71 %	71 %	
Peel Strength	>= 9.00 kN/m	>= 51.4 pli	
Compression Set	10 - 25 %	10 - 25 %	
	7.0 %	7.0 %	
	@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	0.0090 ohm-cm	0.0090 ohm-cm	
Surface Resistance	<= 0.012 ohm	<= 0.012 ohm	
	<= 0.012 ohm	<= 0.012 ohm	
	@Temperature 85.0 °C, Time 605000 sec	@Temperature 185 °F, Time 168 hour	

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	Ivory	
Filler	Silver/Glass	

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