

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

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

Material Notes:

Commercial grade FIP compound designed for moderate shielding performance. The Ag/glass particles are very smooth which leads to very low compression set value. The material is also available as a heat cure compound (HC-FIP-E) Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-Tecknit-Teckfip-FIP-E-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	53 - 75	53 - 75	
Tensile Strength	>= 1.88 MPa	>= 273 psi	
Elongation at Break	71 %	71 %	
Peel Strength	>= 16.75 kN/m	>= 95.58 pli	Typical
Compression Set	30 %	30 %	Recommended
	13 %	13 %	
	@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	0.0070 ohm-cm	0.0070 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
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Dry Time Processing Properties	≥ 0.200 hour Metric	≥ 0.200 hour English	Tack Free Comments
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 Small Particle	

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