

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

Category : Polymer

### Material Notes:

Description: This compound is an all round high performance compound, and is very similar to a Consil C molded or extruded elastomer. It has been traditionally used for telecommunications base station shielding. This material has excellent adhesive strength, and the electrical conductivity remains stable even under long term mechanical load such as vibration or periodic loading and temperature fluctuations. Information provided by Chomerics

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Parker-Chomerics-Tecknit-Teckfip-FIP-C-Formed-in-Place-Conductive-Elastomer.php](http://www.lookpolymers.com/polymer_Parker-Chomerics-Tecknit-Teckfip-FIP-C-Formed-in-Place-Conductive-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.125 - 2.875 g/cc	2.125 - 2.875 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45 - 55	45 - 55	
Tensile Strength	>= 0.758 MPa	>= 110 psi	
Elongation at Break	100 %	100 %	
Peel Strength	>= 9.00 kN/m	>= 51.4 pli	
Compression Set	10 - 25 %	10 - 25 %	
	28 %	28 %	
	@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	<= 0.0080 ohm-cm	<= 0.0080 ohm-cm	
Surface Resistance	<= 0.010 ohm	<= 0.010 ohm	
	<= 0.012 ohm	<= 0.012 ohm	
	@Temperature 85.0 °C, Time 605000 sec	@Temperature 185 °F, Time 168 hour	

Electrical Properties Shielding Effectiveness	$\geq 65$ dB Metric	$\geq 65$ dB English	Comments
	@Frequency 1.00e+7 - 1.00e+10 Hz	@Frequency 1.00e+7 - 1.00e+10 Hz	

Processing Properties	Metric	English	Comments
Dry Time	$\geq 0.0500$ hour	$\geq 0.0500$ hour	Tack Free
Cure Time	$\leq 1440$ min	$\leq 24.0$ hour	
Shelf Life	1.00 Month	1.00 Month	Syringe
	6.00 Month	6.00 Month	Cartridge

Descriptive Properties	Value	Comments
Color	Beige	
Filler	Silver/Copper Small Particle	

## Contact Songhan Plastic Technology Co.,Ltd.

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