

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

Category : Polymer

Material Notes:

Description: FIP-X is Tecknit's newest compound and features a conductive powder that is a unique particle combining tungsten carbide and aluminum. The premium advantage of this compound is its ability to be non-corrosive even in the most hostile of external environments. The compound has been exhaustively tested for hostile environments and easily exceeds the requirements of the ASTM B117 test specification. Tecknit also offers a flame-retardant version of this compound which has achieved the UL94-V0 rating. Information provided by Chomerics

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Specific Gravity	1.479 - 2.001 g/cc	1.479 - 2.001 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	57 - 73	57 - 73	
Tensile Strength	1.48 MPa	215 psi	
Elongation at Break	>= 90 %	>= 90 %	
Peel Strength	>= 9.00 kN/m	>= 51.4 pli	
Compression Set	25 %	25 %	Recommended
	10 - 50 %	10 - 50 %	
	31 %	31 %	
	@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	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.031 ohm-cm	0.031 ohm-cm	
Surface Resistance	1.5 ohm	1.5 ohm	[ohm-cm]

Electrical Properties	Metric _{zh}	English _{hm}	Comments
	@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	Dark Gray	
Filler	Tungsten Carbide	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China