

Parker Chomerics Tecknit Consil®-V 751 Extruded Silver-Filled Silicone Elastomer

Category : Polymer , Thermoset , Silicone

Material Notes:

Description: Consil-V is an extruded silicone elastomer filled with silver-plated inert particles. The V-shape cross section is ideally suited for applications requiring low closure force gasketing. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-Tecknit-Consil-V-751-Extruded-Silver-Filled-Silicone-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.479 - 1.921 g/cc	1.479 - 1.921 g/cc	ASTM D792
Deformation	10 %	10 %	0.25 pli
	20 %	20 %	0.45 pli
	30 %	30 %	1.3 pli
	40 %	40 %	3.3 pli

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40 - 60	40 - 60	ASTM D2240
Tensile Strength	>= 0.689 MPa	>= 100 psi	ASTM D412
Elongation at Break	>= 100 %	>= 100 %	ASTM D412

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	160 °C	320 °F	
Minimum Service Temperature, Air	-51.0 °C	-59.8 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.050 ohm-cm	<= 0.050 ohm-cm	
Shielding Effectiveness	70 dB	70 dB	Plane Wave
	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	
	75 dB	75 dB	E-Field
@Frequency 1.00e+7 Hz	@Frequency 1.00e+7 Hz		
	80 dB	80 dB	

Electrical Properties	Metric	English	H-Field Comments
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Descriptive Properties	Value	Comments
Binder	Modified Silicone	
Color	Tan	
Filler	Silver-plated glass	

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