

Parker Chomerics Tecknit Consil®-R 857 Pure Silver-Filled Silicone Elastomer

Category : Polymer , Thermoset , Silicone

Material Notes:

Description: CONSIL-R 857 provides similar properties as 856, with a high durometer
Typical Applications: CONSIL-R is designed for use in low to moderate pressure applications
Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-Tecknit-Consil-R-857-Pure-Silver-Filled-Silicone-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.875 - 3.125 g/cc	1.875 - 3.125 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45 - 55	45 - 55	ASTM D2240
Tensile Strength	>= 0.689 MPa	>= 100 psi	ASTM D412
Elongation at Break	>= 100 %	>= 100 %	ASTM D412
Tear Strength	6.14 kN/m	35.0 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	177 °C	351 °F	
Minimum Service Temperature, Air	-51.0 °C	-59.8 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.0060 ohm-cm	<= 0.0060 ohm-cm	
Shielding Effectiveness	>= 70 dB	>= 70 dB	H-Field
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	90 dB	90 dB	Plane Wave
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	
	>= 100 dB	>= 100 dB	Plane Wave
	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	
	>= 130 dB	>= 130 dB	E-Field
	@Frequency 1.00e+7 Hz	@Frequency 1.00e+7 Hz	

Descriptive Properties	Value	Comments
Binder	Silicone	
Color	Silver-Tan	
Filler	Pure Silver	

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