

## Parker Chomerics Tecknit Consil®-R 856 Pure Silver-Filled Silicone Elastomer

Category : Polymer , Thermoset , Silicone

### Material Notes:

Description: CONSIL-R 856 offers the lowest durometer available for pure silver-filled elastomer  
 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-856-Pure-Silver-Filled-Silicone-Elastomer.php](http://www.lookpolymers.com/polymer_Parker-Chomerics-Tecknit-Consil-R-856-Pure-Silver-Filled-Silicone-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.275 - 2.125 g/cc	1.275 - 2.125 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	35 - 45	35 - 45	ASTM D2240
Tensile Strength	>= 0.689 MPa	>= 100 psi	ASTM D412
Elongation at Break	>= 100 %	>= 100 %	ASTM D412
Tear Strength	4.38 kN/m	25.0 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	<= 0.015 ohm-cm	<= 0.015 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	

## Contact Songhan Plastic Technology Co.,Ltd.

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