

Parker Chomerics Waveguide Gaskets 873 Conductive Silicone Elastomer Gasket

Category : Polymer , Thermoset , Silicone

Material Notes:

Description: TECKNIT® WAVEGUIDE GASKETS are made from a silicone elastomer filled with silver-plated particles designed to achieve maximum electrical conductivity. Application Information: TECKNIT WAVEGUIDE GASKETS offer the circuit designer a wide variety of RF and pressure tight seals for any waveguide system. They can be used for EMP and TEMPEST applications, and are widely used by the military and aerospace communities in sophisticated electronic countermeasure, communication, and guidance systems. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-Waveguide-Gaskets-873-Conductive-Silicone-Elastomer-Gasket.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.045 - 3.955 g/cc	3.045 - 3.955 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	73 - 87	73 - 87	ASTM D2240
Tensile Strength	2.76 MPa	400 psi	ASTM D412
Elongation at Break	100 - 300 %	100 - 300 %	ASTM D412
Tear Strength	7.01 kN/m	40.0 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-45.0 °C	-49.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 0.0050 ohm-cm	<= 0.0050 ohm-cm	QA-1039
Shielding Effectiveness	75 dB	75 dB	H-Field
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	110 dB	110 dB	Plane Wave
	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	
	115 dB	115 dB	Plane Wave
	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	

Electrical Properties	Metric dB	EnglishdB	Comments
	@Frequency 1.00e+7 Hz	@Frequency 1.00e+7 Hz	E-Field

Descriptive Properties	Value	Comments
Consistency	Smooth	
Elastomer	Silicone	
Filler	Silver Plated Copper Particles	

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