Parker Chomerics CHO-MUTE 9020 RF Absorber

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE) , Silicone

Material Notes:

Microwave Absorber Material. Elastomer microwave absorber is designed to offer wide band attenuation within operating frequencies of 30 MHz to 12 GHz. CHO-MUTE 9020 incorporates a high tech silicone polymer system that offers the benefit of wide band absorption and high permeability in a lightweight and flexible product form.APPLICATIONSCho-Mute 9020 material can be used on a variety of applications to eliminate problems EMI/EMC problems in, transmitters, transceivers, microcontrollers, microprocessors etc.Potential applications include:Hand held electronics, wireless voice or data telecommunication, infotainment, testing equipment, PDAsMilitary electronics, C3I, navigation, GPS, ruggedized computers, night visionAntenna performance, surface current reductionOffice and telecommunication infrastructure equipment, computing, switch gear, power amplifiers, and routers.Information provided by Chomerics

Order this product through the following link:
http://www.lookpolymers.com/polymer_Parker-Chomerics-CHO-MUTE-9020-RF-Absorber.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.40 g/cc	3.40 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	
Tensile Strength at Break	3.45 MPa	500 psi	
Elongation at Break	>= 200 %	>= 200 %	
Tear Strength	10.5 kN/m	59.9 pli	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.560 W/m-K	3.89 BTU-in/hr-ft²-°F	
Maximum Service Temperature, Air	160 °C	320 °F	
Minimum Service Temperature, Air	-50.0 °C	-58.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+6 ohm-cm	>= 1.00e+6 ohm-cm	
Surface Resistivity per Square	>= 1.00e+6 ohm	>= 1.00e+6 ohm	
Shielding Effectiveness	-20.0 dB @Thickness 2.36 mm, Frequency 6.80e+9 Hz	-20.0 dB @Thickness 0.0930 in, Frequency 6.80e+9 Hz	NRL Arch Test Method
	-17.0 dB	-17.0 dB	NRL Arch Test Method

Electrical Properties	Metric	English	Comments
	@Thickness 0.813 mm, Frequency 1.08e+10 Hz	@Thickness 0.0320 in, Frequency 1.08e+10 Hz	
	-15.0 dB @Thickness 1.57 mm, Frequency 9.80e+9 Hz	-15.0 dB @Thickness 0.0620 in, Frequency 9.80e+9 Hz	NRL Arch Test Method
	-12.0 dB @Thickness 1.57 mm, Frequency 1.08e+10 Hz	-12.0 dB @Thickness 0.0620 in, Frequency 1.08e+10 Hz	NRL Arch Test Method
	-12.0 dB @Thickness 2.36 mm, Frequency 4.80e+9 Hz	-12.0 dB @Thickness 0.0930 in, Frequency 4.80e+9 Hz	NRL Arch Test Method
	-10.0 dB @Thickness 0.813 mm, Frequency 8.80e+9 Hz	-10.0 dB @Thickness 0.0320 in, Frequency 8.80e+9 Hz	NRL Arch Test Method
	-10.0 dB @Thickness 1.57 mm, Frequency 8.80e+9 Hz	-10.0 dB @Thickness 0.0620 in, Frequency 8.80e+9 Hz	NRL Arch Test Method
	-10.0 dB @Thickness 3.17 mm, Frequency 2.80e+9 Hz	-10.0 dB @Thickness 0.125 in, Frequency 2.80e+9 Hz	NRL Arch Test Method
	-10.0 dB @Thickness 2.36 mm, Frequency 8.80e+9 Hz	-10.0 dB @Thickness 0.0930 in, Frequency 8.80e+9 Hz	NRL Arch Test Method
	-8.00 dB @Thickness 1.57 mm, Frequency 6.80e+9 Hz	-8.00 dB @Thickness 0.0620 in, Frequency 6.80e+9 Hz	NRL Arch Test Method
	-6.00 dB @Thickness 1.57 mm, Frequency 4.80e+9 Hz	-6.00 dB @Thickness 0.0620 in, Frequency 4.80e+9 Hz	NRL Arch Test Method
	-6.00 dB @Thickness 3.17 mm, Frequency 6.80e+9 Hz	-6.00 dB @Thickness 0.125 in, Frequency 6.80e+9 Hz	NRL Arch Test Method
	-6.00 dB @Thickness 0.813 mm, Frequency 6.80e+9 Hz	-6.00 dB @Thickness 0.0320 in, Frequency 6.80e+9 Hz	NRL Arch Test Method
	-5.00 dB @Thickness 0.508 mm, Frequency 1.08e+10 Hz	-5.00 dB @Thickness 0.0200 in, Frequency 1.08e+10 Hz	NRL Arch Test Method

Electrical Properties	Metric	English	Comments
	-5.00 dB @Thickness 2.36 mm, Frequency 1.08e+10 Hz	-5.00 dB @Thickness 0.0930 in, Frequency 1.08e+10 Hz	NRL Arch Test Method
	-4.00 dB @Thickness 0.508 mm, Frequency 8.80e+9 Hz	-4.00 dB @Thickness 0.0200 in, Frequency 8.80e+9 Hz	NRL Arch Test Method
	-3.00 dB @Thickness 0.813 mm, Frequency 2.80e+9 Hz	-3.00 dB @Thickness 0.0320 in, Frequency 2.80e+9 Hz	NRL Arch Test Method
	-3.00 dB @Thickness 0.254 mm, Frequency 1.08e+10 Hz	-3.00 dB @Thickness 0.0100 in, Frequency 1.08e+10 Hz	NRL Arch Test Method
	-3.00 dB @Thickness 0.508 mm, Frequency 6.80e+9 Hz	-3.00 dB @Thickness 0.0200 in, Frequency 6.80e+9 Hz	NRL Arch Test Method
	-3.00 dB @Thickness 1.57 mm, Frequency 2.80e+9 Hz	-3.00 dB @Thickness 0.0620 in, Frequency 2.80e+9 Hz	NRL Arch Test Method
	-3.00 dB @Thickness 2.36 mm, Frequency 2.80e+9 Hz	-3.00 dB @Thickness 0.0930 in, Frequency 2.80e+9 Hz	NRL Arch Test Method
	-2.00 dB @Thickness 0.508 mm, Frequency 4.80e+9 Hz	-2.00 dB @Thickness 0.0200 in, Frequency 4.80e+9 Hz	NRL Arch Test Method
	-2.00 dB @Thickness 3.17 mm, Frequency 1.08e+10 Hz	-2.00 dB @Thickness 0.125 in, Frequency 1.08e+10 Hz	NRL Arch Test Method
	-2.00 dB @Thickness 0.254 mm, Frequency 6.80e+9 Hz	-2.00 dB @Thickness 0.0100 in, Frequency 6.80e+9 Hz	NRL Arch Test Method
	-0.500 dB @Thickness 0.254 mm, Frequency 4.80e+9 Hz	-0.500 dB @Thickness 0.0100 in, Frequency 4.80e+9 Hz	NRL Arch Test Method
	0.00 dB @Thickness 0.254 mm, Frequency 8.00e+8 Hz	0.00 dB @Thickness 0.0100 in, Frequency 8.00e+8 Hz	NRL Arch Test Method
	0.00 dB @Thickness 0.508 mm,	0.00 dB @Thickness 0.0200 in,	NRL Arch Test Method

Electrical Properties	Frequency 8.00e+8 Hz Metric	Frequency 8.00e+8 Hz English	Comments
	0.00 dB @Thickness 3.17 mm, Frequency 8.00e+8 Hz	0.00 dB @Thickness 0.125 in, Frequency 8.00e+8 Hz	NRL Arch Test Method
	0.00 dB @Thickness 2.36 mm, Frequency 8.00e+8 Hz	0.00 dB @Thickness 0.0930 in, Frequency 8.00e+8 Hz	NRL Arch Test Method
	0.00 dB @Thickness 1.57 mm, Frequency 8.00e+8 Hz	0.00 dB @Thickness 0.0620 in, Frequency 8.00e+8 Hz	NRL Arch Test Method
	0.00 dB @Thickness 0.813 mm, Frequency 8.00e+8 Hz	0.00 dB @Thickness 0.0320 in, Frequency 8.00e+8 Hz	NRL Arch Test Method

Descriptive Properties	Value	Comments
Composition	Ferrous filled silicone	

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