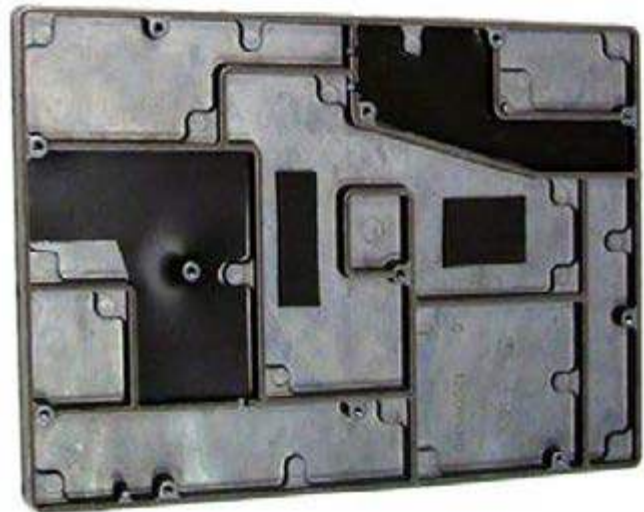
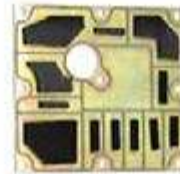


CHO-MUTE™ 9005 and 9025

Microwave Absorber Materials
UL 94 V-0 Flammability Rated



Customer Value Proposition:

CHO-MUTE 9005 and 9025 elastomer based absorber materials are designed to offer a user friendly approach to the reduction of unwanted electromagnetic radiation from electronic equipment as well as minimize cavity to cavity cross coupling, and microwave cavity resonances. Comprised of a silicone elastomer matrix with ferrous filler material, these materials provide RF absorption performance over a broadband frequency range from 500 MHz to 18 GHz. The materials are offered as sheet stock of various thicknesses with or without pressure sensitive adhesive. They are flexible, and can be easily die-cut for use in empirical testing of absorption solutions. Since both materials have been tested and certified to the UL 94 V-0 flammability standard, they may be used in close quarters with electronic circuitry to reduce unwanted electromagnetic radiation by absorption of signals and reduction of reflections from metallic surfaces. A wide variety of fabricating techniques are available for custom part manufacturing.

Contact Information:

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Product Features:

- Microwave absorption material covering a wide range of frequencies
- Up to 20 dB RF absorption
- Available in six standard thicknesses
- Flexible
- RoHS Compliant
- Global product availability
- UL 94V-0 certified

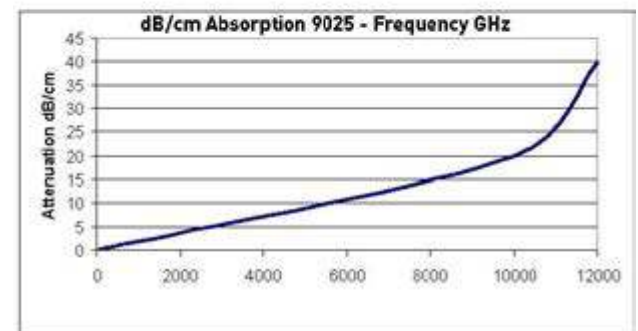
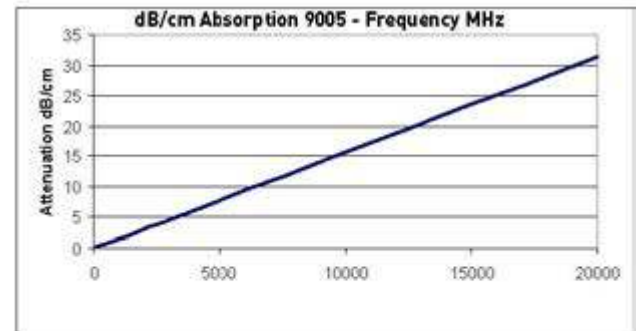
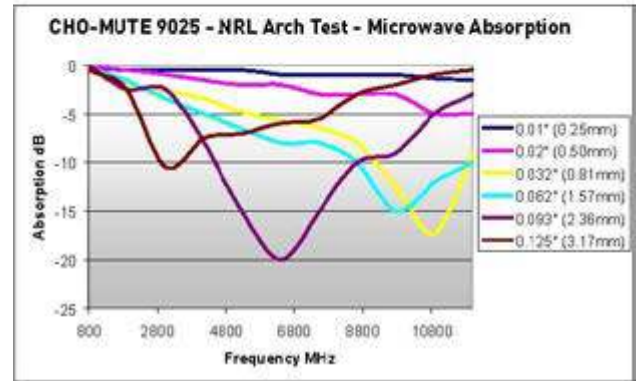
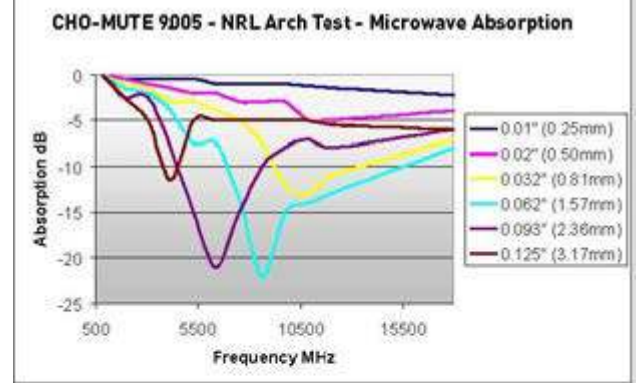
Typical Applications:

- Hand held electronics
- Wireless voice or data telecommunication
- Military electronics
- GPS
- Ruggedized computers
- Night vision equipment
- Telecommunication infrastructure equipment

CHO-MUTE - Product Information

Typical Properties

Property	Test Method	Units	Value
Composition			
Ferrous	--	--	--
Electrical			
Surface Resistance Initial	CEPS-0002	Ω /square	>1M
Bulk Volume Resistivity Initial	CEPS-0002	$\Omega \cdot \text{cm}$	>1M
Permeability	ASTM D2520	--	1.76
Magnetic Loss Tangent	ASTM D2520	--	0.602
Permittivity	ASTM D2520	--	13.8
Dielectric Loss Tangent	ASTM D2520	--	0.15
Mechanical			
Operating Temperature Range	--	--	-50°C to 160°C
Tensile Strength	ASTM D412	PSI (MPa)	500 (3.44)
Elongation	ASTM D412	(% min)	200
Hardness	ASTM D2240	Shore A	55
Tear Strength	ASTM D624	Lb/in (N/m)	60 (10.5k)
Thermal			
Thermal Conductivity	ASTM D5470	W/m-K	9005 = 0.56 9025 = 0.87
Physical			
Specific Gravity	--	--	3.4



Ordering Information

46	—	T	A	—	1020	—	90XX
CHO-MUTE	Thickness, inch (mm)	Adhesive (PSA)		Sheet Size			
	7 0.010±.004 (0.25±.10)	0 No Adhesive Backing		10" X 20" (25.4cm X 50.8cm)	05 25		
	1 0.020±.004 (0.51±.10)	1 Adhesive Backing					
	2 0.032±.005 (0.81±.13)	No adhesive is available on .010 (.25) thick sheets					
	3 0.062±.007 (1.57±.18)						
	4 0.093±.010 (2.36±.25)						
	5 0.125±.010 (3.18±.25)						

Custom part numbers available upon request.

www.parker.com/chomerics

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TB 1040 EN April 2021



ENGINEERING YOUR SUCCESS.