
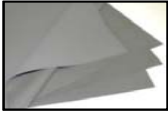
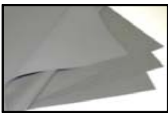
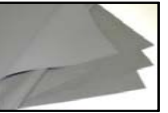
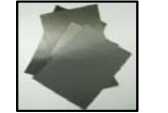


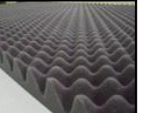









Microwave & EMI Absorption Materials



 Standard Products	MR1 Series	MR2 Series	MR3 Series	MR5 Series	MF1 Series	MF2 Series	MF3 Series
	Tuned Frequency	Cavity Resonance	Surface Wave	Low Frequency	Reticulated Foam	Lossy Foam	Convuluted Foam
							
Elastomer Types Available	Nitrile, Silicone, Fluoroelastomer, Fluorocopolymer (Others Available)	Nitrile, Silicone, Fluoroelastomer, Fluorocopolymer (Others Available)	Nitrile, Silicone, Fluoroelastomer, Fluorocopolymer (Others Available)	Elastomer Blend	-	-	-
Available Thickness (in/mm)	0.020 - 0.180 (0.5 - 4.5mm)	0.010 - 0.180 (0.25 - 4.5mm)	0.010 - 0.180 (0.25 - 4.5mm)	0.001 - 0.040 (0.025 - 1.0mm)	0.375 - 1.25 (6.4 - 32mm)	0.125 - 0.50 (3.2 - 12.8mm)	1.50 - 3.00 (3.8 - 7.7 cm)
Pressure Sensitive Adhesive	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adhesive Thickness (in)	0.002, 0.005	0.002, 0.005	0.002, 0.005	0.001, 0.002	0.002, 0.005	0.002, 0.005	0.002, 0.005
Sheet Size	22" x 22", 24" x 24"	22" x 22", 24" x 24"	22" x 22", 24" x 24"	12" x 12", 12" x 30" roll	24" x 24", 24" x 48"	24" x 24", 24" x 48"	24" x 24"
Filler/Loading	Magnetic/Low Loading	Magnetic/Med Loading	Magnetic/High Loading	Specialty Magnetic High Loading	Carbon Gradient Load	Carbon Constant Load	Carbon Constant Load
Frequency Range	Tuned to any frequency 1 - 40 GHz	1 - 20 GHz	1 - 20 GHz	10 MHz - 3 GHz	2 - 18 GHz	2 - 18 GHz	2 - 18 GHz
dB Loss (% Energy Loss)	< -20 dB (99.0%)	< -10 dB (90.0%)	< -10 dB (90.0%)	-3 to -10 dB	-20 dB (90.0%)	-7 to -30 dB/inch	-20 dB (90%)
Surface Resistance	-	-	-	-	~800 Ω/sq	~500 Ω/sq	~500 Ω/sq
Durometer (Shore A)	70-90	70-90	70-90	70-80	-	-	-
Color	Grey	Grey	Grey	Glossy Grey	Grey	Grey	Grey
Foam Types Available (Pores/in)	-	-	-	-	10 -50 PPI	100 PPI	100 PPI
Product Format	Sheets, Die Cut, Kiss Cut	Sheets, Die Cut, Kiss Cut	Sheets, Die Cut, Kiss Cut	Rolls, Sheets, Die Cut, Kiss Cut	Sheets, Die Cut, Kiss Cut	Sheets, Die Cut, Kiss Cut	Sheets, Die Cut, Kiss Cut
Temperature Resistance	Nitrile - 300°F (days) Silicone - 350°F (days) Fluoroelastomer - 500°F Fluorocopolymer - 550°F	Nitrile - 300°F (days) Silicone - 350°F (days) Fluoroelastomer - 500°F Fluorocopolymer - 550°F	Nitrile - 300°F (days) Silicone - 350°F (days) Fluoroelastomer - 500°F Fluorocopolymer - 550°F	Elastomer Blend - 176°F	250°F (days)	250°F (days)	250°F (days)
Flammability Rating	Not Rated	UL94-V0* (* rating pending)	UL94-V0* (* rating pending)	UL94-V0	UL94-HF1 Available	UL94-HF1 Available	UL94-HF1 Available
Environmental Resistance	- Corrosion resistant fillers available - Environmental resistance is primarily based on elastomer. See Tech Bulletin 102 for more information.	- Corrosion resistant fillers available - Environmental resistance is primarily based on elastomer. See Tech Bulletin 102 for more information.	- Corrosion resistant fillers available - Environmental resistance is primarily based on elastomer. See Tech Bulletin 102 for more information.	- Intended for internal electronics applications. No environmentally enhanced version available at this time.	- Reticulated foam offers resistance to limited moisture and temperature. - Call a MAST technical representative for more information regarding methods to weatherproof foam materials.	- Lossy foam offers resistance to limited moisture and temperature. - Call a MAST technical representative for more information regarding methods to weatherproof foam materials.	- Convuluted foam offers resistance to limited moisture and temperature. - Call a MAST technical representative for more information regarding methods to weatherproof foam materials.
Environmental Features	 Halogen/Lead-Free	 Halogen/Lead-Free	 Halogen/Lead-Free	 Halogen/Lead-Free	 Halogen/Lead-Free	 Halogen/Lead-Free	 Halogen/Lead-Free

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Technical datasheets are available at www.masttechnologies.com/technicaldata
To obtain application assistance or samples, contact MAST Technologies or the Sales Representative in your area.