

RAM-TF001 Tuned Frequency Microwave Absorber Material**Product overview**

Shielding Solutions Tuned Frequency Absorbers are a thin magnetically loaded sheet stock. Tuned Frequency Absorbers, also known as resonant frequency absorbers, provide great reflection loss at a discrete frequency, typically offering 20dB of attenuation. Tuned Frequency Absorbers offer a narrowband of absorption, typically +/- 10% of the resonant frequency, so are best used when a single discrete frequency is trying to be absorbed.

Properties

Hardness - Shore A	60 - 80
Flammability Rating (Halogen Free)	UL94 V-0
Elastomer	Silicone
Operating Temperature (°C)	-50 to 190
Colour	Dark Grey

Availability

- Standard sheets are 305 x 305mm (12"x12") with or without PSA
- 610 x 610mm Sheets available
- Thickness varies depending on frequency desired.
- Other base materials available (i.e. Nitrile).
- The material can also be supplied in customized shapes.

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Application

- Ship masts
- Specular return (RCS)
- Discrete frequency absorption
- Antenna isolation and patterning
- Aircraft ducts and seals
- Instrument housings

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