

ECCOSORB® QR-13AF

Lossy, Flexible, Fire Retardant, Foam Microwave Absorber

Material Characteristics

- ECCOSORB® QR-13AF foam is an environmentally friendly material free of antimony and chlorinated polymers
- High loss, flexible, non-magnetic, non-dusting microwave absorber sheet
- ECCOSORB® QR-13AF is electrically conductive
- Not weatherproof but can be supplied with a weather resistant CERSEAL coating, *see Availability below*
- Can be easily cut with a knife, scissors, or die

Applications

- ECCOSORB® QR-13AF is designed for the suppression of cavity resonances in shielded high-frequency modules and the absorption of parasitic radiation emanating from high speed electronic circuits by insertion loss

Availability

- Standard sheets are 24" x 24" (61 cm x 61 cm)
- Standard thicknesses are 1/8" (0.3cm) & 1/4" (0.6cm) with other thicknesses available upon request
- ECCOSORB® QR-13AF can be supplied with a CERSEAL coating to prevent moisture uptake in high humidity to moderately wet environments upon special request**
- For applications requiring ECCOSORB® QR-13AF to be in close contact with electrical components, a PEF (polyethylene) film is available on request to prevent electrical shorts**
- ECCOSORB® QR-13AF can also be supplied with a Pressure Sensitive Adhesive (PSA)**. Product designation denoting ECCOSORB® QR-13AF with a PSA is ECCOSORB® QR-13AF/SS3
- ECCOSORB® QR-13AF is available in other sizes and

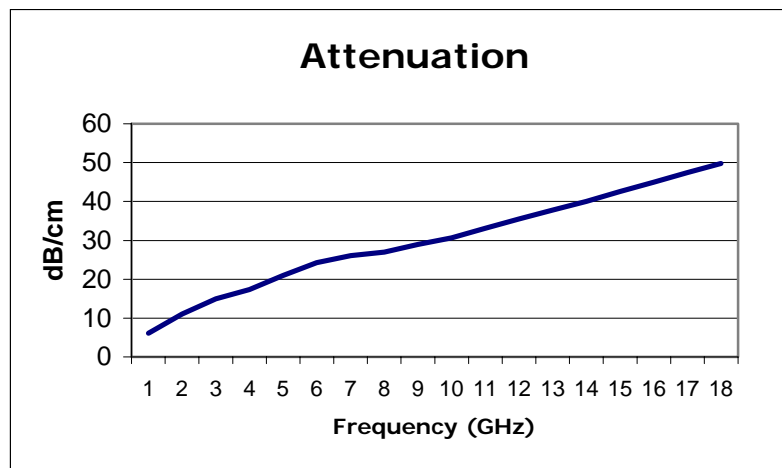
Instructions for Use

- Being electrically conductive ECCOSORB® QR-13AF could cause a short in some microwave circuits, but only if the material comes in contact with components, *see PEF film under Availability*
- ECCOSORB® QR-13AF can be securely bonded to itself or to other materials such as metal, wood, and common plastic composites. The recommended adhesive is ECCOSTOCK® 13-111-NF if not ordered from the factory with a PSA

Typical Properties

Frequency Range	1 - 26 GHz
Service Temperature, °F (°C)	-94 to 200 (-70 to 93)
Color	Black
Dusting	Negligible
Fire Retardancy**	UL-94-HF-1

**Please note that ECCOSORB® QR-13AF with PSA, CERSEAL coating, or PEF is not UL rated. Only the QR base material has been UL-94-HF-1 approved.



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