HiMAG™ LOSSY FOAM ABSORBER

PART#: AB340-0084  THICKNESS: .25" -21.5 DB LOSS (@10 GHz)

Modus Advanced, Inc. Lossy Foam Absorber is a lightweight, conductive, carbon loaded material which provides broadband insertion loss at microwave frequencies. Lossy Foam Absorbers are designed with a continuous electrical coating to exhibit high insertion loss and are intended to be applied to metal surfaces inside microwave cavities, housings, radomes, network enclosures, or antennae. Lossy Foam Absorbers attenuate energy at normal and high angles of incidence.

APPLICATIONS
• Antenna Pattern Performance
• Sidelobe/backlobe reduction
• Resonant Cavity Attenuation
• EM Reduction
• Rx/Tx Antenna Isolation
• Radar Cross Section Reduction
• Dual use air filter/EM absorber

FEATURES AND BENEFITS
• Lightweight open cell polyurethane foam
• Cost effective broadband material
• Easily applied with PSA
• Broadband insertion loss performance
• RoHS Compliant
• Halogen Free

TYPICAL PROPERTIES
• Sheet Size: 24" x 24"
• Operating Temperature: -60°F to 250°F
• Flame Rating: UL94-HF1 Available

AVAILABILITY
Without adhesive - Part # AB340-0084
With adhesive - Part # AB340-0084-AD
• Die Cut

ELECTRICAL PERFORMANCE:
The performance plot shown on the left, illustrates the reflection loss performance of this material. Reflection loss is measured on a NRL arch. For more information on the NRL arch test set-up, please contact a Modus™ technical representative. Additional electrical test data may be available upon request.

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We are Modus! With multiple locations in North America and China, Modus Advanced, Inc. is a diversified custom manufacturer which converts EMI Shielding, Environmental Gasket Materials, Microwave Absorbers, Acoustic Materials, Thermal Interface Materials and other high performance materials into finished parts. Modus utilizes its 40 years as an established provider of high quality, reliable products to create precisely what customers specify. Innovative processes; custom fabrication utilizing performance materials; an on time delivery record of more than 99% means Modus is well positioned to help your company succeed.

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