HiMAG™ RETICULATED FOAM ABSORBER

PART#: AB340-0081  THICKNESS: 1”  5-40 GHz

Modus Advanced, Inc. Reticulated Foam Absorber is a lightweight, conductive, carbon loaded material which provides broadband loss at microwave frequencies. Reticulated Foam Absorbers are designed with a continuous gradient coating to exhibit high reflection loss and are intended to be applied to metal surfaces inside microwave cavities, housings, radomes, network enclosures, or antennae. Reticulated 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 polyether reticulated foam
- Cost effective broadband material reflection loss performance
- Easily applied with PSA
- RoHS Compliant
- Halogen Free

**TYPICAL PROPERTIES**
- Sheet Size: 24” x 24”
- Color: Black
- Operating Temperature: -60°F to 250°F
- Flame Rating: UL94-HF1 Available

**AVAILABILITY**
Without adhesive - Part # AB340-0081
With adhesive - Part # AB340-0081-AD
- Die Cut

**CUSTOMERS ALSO SEARCHED:**
- RF Absorbing Material
- Radio Frequency Absorption Material
- RF Absorber
- Radar Absorbing Material
- Absorbing Material
- Microwave Absorbing Materials
- Radar Absorber
- Microwave Absorber
- RF Attenuation
- Radar Absorbing Material
- Radar Absorbant Material
- Radio Frequency Absorption
- Microwave Absorbing Material
- EMI Absorbing Material
- Wave Attenuation Devices
- Magnetic Foam Sheets
- Radar Absorbing Materials
- Radar Absorber
- Absorbing Foam
- EM Shielding
- Acoustic Materials
- Thermal Interface Materials
- Radar Absorbing Materials
- EMI Shielding Material
- Environmental Gasket Materials
- Microwave Absorbers
- Acoustic Materials
- Thermal Interface Materials

**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.

**MODUS ADVANCED TAKES YOU FROM IDEA TO IGNITION**
1. **IDEA**
   You design the perfect part
2. **ENGINEERING**
   You specify the best material
3. **SOLUTION**
   We strategically plan
4. **IGNITION**
   We produce and deliver

**PICK A MATERIAL**
LET MODUS CUT IT TO SIZE

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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