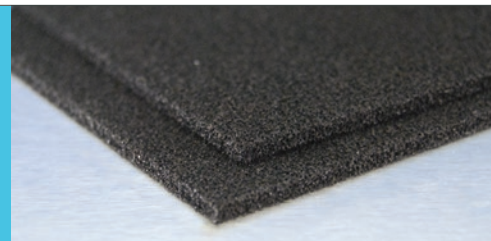


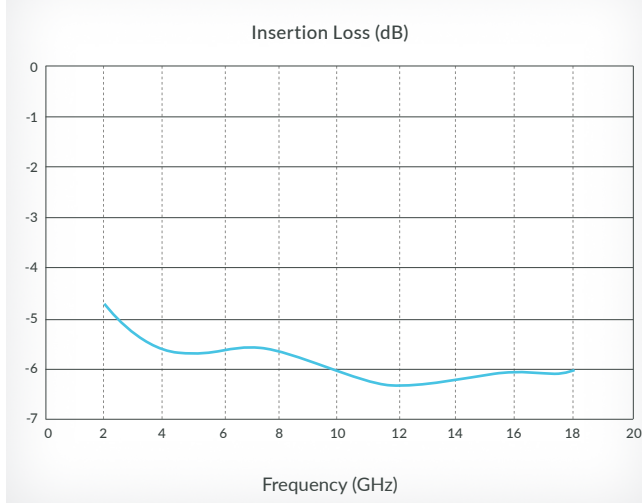
# HiMAG™ LOSSY FOAM ABSORBER

PART#: AB340-0083 THICKNESS: .125" -8 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.

LOSSY FOAM ABSORBERS INSERTION LOSS PERFORMANCE



**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.

## 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 # **AB340-0083**  
With adhesive - Part # **AB340-0083-AD**

- Die Cut

### CUSTOMERS ALSO SEARCHED:

RF Absorbing Material	RF Absorbers	Radar Absorbant Material
Radio Frequency Absorbing Material	Radio Frequency Absorption	Absorbing Foam
RF Absorbing Foam	Microwave Absorbing Materials	EMI Absorbing Material
RF Absorber	Absorbing Material	Wave Attenuation Devices
Radar Absorbing Material	RF Materials	Magnetic Foam Sheets
Absorber Foam	Microwave Absorbing Material	Radar Absorbing Materials
RF Absorber Material	Microwave Absorber	RF Attenuation
Microwave Absorber Material	Radar Absorber	Radar Absorbing Material

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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