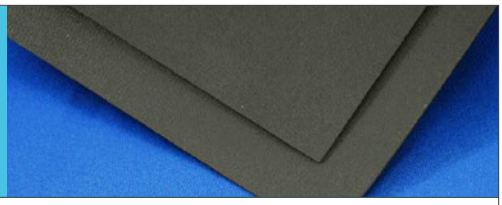
MODUS™
IDEA TO IGNITION™

HiMag

HI MAG™ SERIES
CAVITY RESONANCE ABSORBER

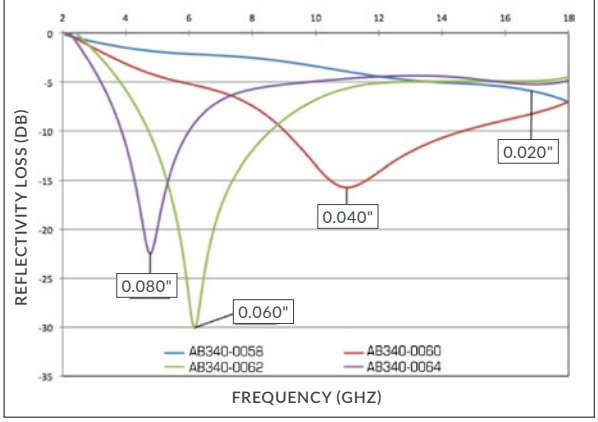


Modus Advanced, Inc.'s Cavity Resonance Absorber products are thin, magnetically loaded sheet stock, having high loss at microwave frequencies, while maintaining the desirable characteristics of elastomeric binders. Cavity Resonance Absorbers are designed to exhibit high loss and are intended to be applied to metal surfaces inside microwave cavities to reduce the Q of the cavity. Cavity Resonance Absorbers attenuate energy at normal and high angles of incidence at frequencies from 1 GHz to 20 GHz.

The standard elastomer for this product series is silicone. Other elastomer formulations are available which may be better suited for specific conditions.

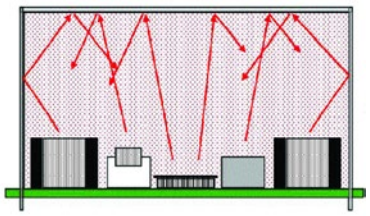
The primary method of application for Cavity Resonance Absorbers is utilizing a Pressure Sensitive Adhesive (PSA) backing. Other liquid and paste adhesives may be recommended. Please contact a Modus technical representative for more information pertaining to your specific needs.

REFLECTIVITY PERFORMANCE

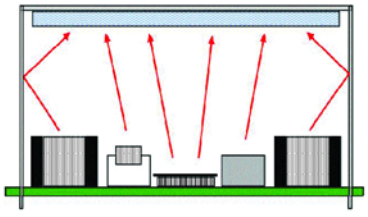


ELECTRICAL PERFORMANCE: The performance plot shown below illustrates the reflection loss performance of this material. Reflection loss is measured on a NRL arch, for more information on the NRL arch test set-up, please contact a Modus technical representative. Additional electrical test data may be available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

Without Absorber



With Absorber



APPLICATIONS

- Resonant Cavity Attenuation, EM Reduction, Rx/Tx Antenna Isolation, System Isolation, High Frequency Interference, Inside a shielding can, Specular Return (RCS)

FEATURES AND BENEFITS

- Tough material can survive outdoor exposure
- Very thin for compact locations
- Flexible elastomeric material will not crack
- Support broad frequency range
- RoHS Compliant
- Halogen Free

TYPICAL PROPERTIES

- Thickness Range: .01" to .180"
- Color: Dark Grey
- Elastomer: Silicone
- Operating Temperature: -60°F to 375°F
- Flame Rating: UL94-VO
- Hardness: Shore A 60-80

AVAILABILITY

- Die Cut, Kiss Cut Pads

MODUS ADVANCED TAKES YOU FROM IDEA TO IGNITION

IDEA · ENGINEERING · SOLUTION · IGNITION

PICK A MATERIAL
LET MODUS CUT IT TO SIZE

ABOUT MODUS

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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