



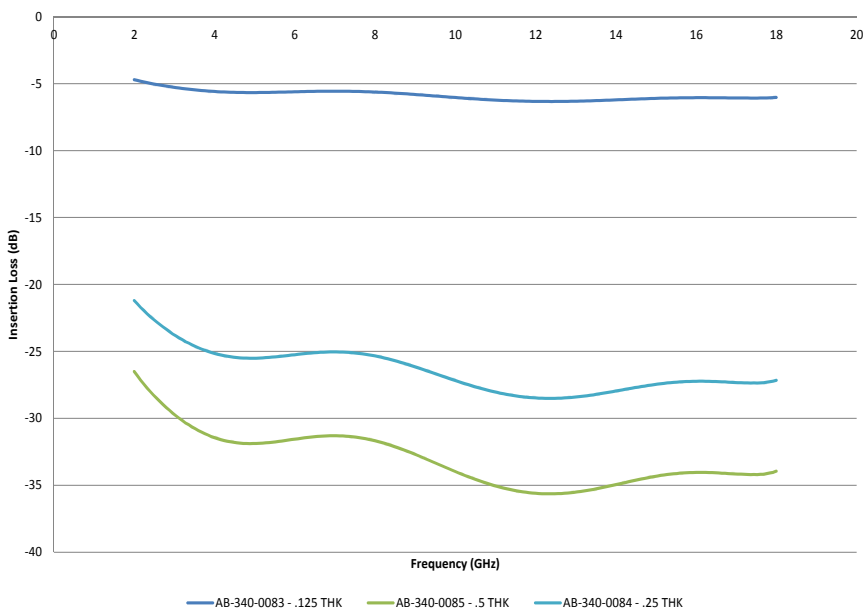
# LOSSY FOAM ABSORBER

Western Rubber & Supply, Inc. Lossy Foam Absorber products are lightweight, conductive, carbon loaded sheet stock 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 at frequencies from 2 GHz to 18 GHz.

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



**Lossy Foam Absorbers**  
Insertion Loss Performance



**ELECTRICAL PERFORMANCE:** The performance plot shown above illustrates the insertion loss performance of this material. Insertion loss is measured in a transmission tunnel. For more information on the transmission tunnel set-up, please contact a WRS 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

- Thickness Range: 0.125" (3.2mm) to .5" (12.7mm)
- Color: Black
- Operating Temperature: -60°F to 250°F
- Flame Rating: UL94-HF1 Available

### AVAILABILITY:

- Standard Sheet Sizes: 24" x 24" (564 x 564mm)  
36" x 36" (769 x 769mm)
- Format: Sheets, Die Cut