## HiMAG™ SURFACE WAVE ABSORBER

**PART#: AB340-0068**  **THICKNESS: .020”  14-18 GHz**

Modus Advanced, Inc. Surface Wave Absorber is a thin, very highly loaded material, having high loss at microwave frequencies, while maintaining the desirable characteristics of elastomeric binders. Surface Wave Absorbers are the most heavily magnetically loaded absorber, designed to exhibit the highest loss, and intended to be applied to metal surfaces for traveling or surface wave attenuation.

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

### APPLICATIONS
- Traveling or Creeping surface wave absorption
- Resonant Cavity Attenuation
- EM Reduction
- Mounted to an IC on a PCB
- Mounted directly on a micro-strip
- High Frequency Interference
- Inside a shielding can

### 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
- Sheet Size: 24” x 24”
- Color: Dark Grey
- Elastomer: Silicone
- Operating Temperature: -60°F to 375°F
- Flame Rating: UL94-V0
- Hardness: Shore A 60-80

### AVAILABILITY
- Without adhesive - Part # AB340-0068
- With adhesive - Part # AB340-0068-AD
- Sheets, Die Cut, Kiss Cut Pads

---

**CUSTOMERS ALSO SEARCHED:**

<table>
<thead>
<tr>
<th>RF Absorbing Material</th>
<th>RF Absorbers</th>
<th>Radar Absorbtant Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radio Frequency Absorbing Material</td>
<td>Radio Frequency Absorption</td>
<td>Absorbing Foam</td>
</tr>
<tr>
<td>RF Absorbing Foam</td>
<td>Microwave Absorbing Materials</td>
<td>EMi Absorbing Material</td>
</tr>
<tr>
<td>RF Absorber</td>
<td>RF Materials</td>
<td>Wave Attenuation Devices</td>
</tr>
<tr>
<td>Radar Absorbing Material</td>
<td>Microwave Absorbing Material</td>
<td>Magnetic Foam Sheets</td>
</tr>
<tr>
<td>Absorber Foam</td>
<td>Microwave Absorber</td>
<td>Radar Absorbing Materials</td>
</tr>
<tr>
<td>RF Absorber Material</td>
<td>Radar Absorber</td>
<td>RF Attenuation</td>
</tr>
<tr>
<td>Microwave Absorber Material</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**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.

---

**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.

This information is based on data believed to be reliable, but Modus makes no warranties, expressed or implied, as to its accuracy and assumes no liability arising out of its use. The data listed falls within the normal range of product properties, but should not be used to establish specification limits or used alone as the basis of design. Modus’ liability to purchasers is expressly limited to the terms and conditions of sales listed on our website.

©2016 Modus Advanced, Inc. All Rights Reserved.