**MODUS ADVANCED TAKES YOU FROM IDEA TO IGNITION**

1. IDEAS  
You design the perfect part  

2. ENGINEERING  
You specify the best material  

3. SOLUTION  
We strategically plan  

4. IGNITION  
We produce and deliver  

---

**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.

---

**WECONUSTIC™ ACOUSTICAL FOAM URETHANE FILM FACED FOAM**

**PART #: SP250-1031  THICKNESS: 1”**

Modus Advanced, Inc.’s WesCoustic™ Urethane Film Faced Foams are designed to provide maximum absorption of airborne sound with minimum thickness and weight. These flexible polyurethane open cell foams are manufactured to optimize pore size, air flow resistance and density. Our foams are durable as well as abrasion and puncture resistant. These urethane films are heat laminated to form a decorative, textured surface, and can be made impervious to most petroleum products, moisture and dirt. Using your design specifications, Modus™ will accurately cut this material to size.

<table>
<thead>
<tr>
<th>Property</th>
<th>WesCoustic™ Urethane Film Faced Foam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Black</td>
</tr>
<tr>
<td>Density</td>
<td>2lb/ft³ (32 kg/m³) +/-10% or 4lb/ft³ (64 kg/m³) +/-10% per ASTM D357486 test A</td>
</tr>
<tr>
<td>Tear Strength</td>
<td>1.5 psi [2.6 N/cm] per ASTM D3574-86 test F</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>20 psi [135 kPa] per ASTM D3574-86-E</td>
</tr>
<tr>
<td>Elongation</td>
<td>120% per ASTM D3574-86 test E</td>
</tr>
<tr>
<td>Compression Set (50% Deflection)</td>
<td>Max 10% ASTM D3574-86 test D</td>
</tr>
<tr>
<td>Heat Resistance</td>
<td>Retention of tensile strength after 22 hours dry heat aging at 140°C min. 70% ASTM D3574-86 test K</td>
</tr>
<tr>
<td>Humidity Resistance</td>
<td>Retention of tensile strength after 6 hours, steam autoclave at 105°C min. 70% ASTM D3574-86 test J</td>
</tr>
<tr>
<td>Chemical Resistance</td>
<td>Good for common fluids, water, petroleum, solvents and alkanals. Swelling will occur; will return to almost 100% after drying</td>
</tr>
<tr>
<td>Flammability</td>
<td>MVSS 302, UL-94 HF1, and FAR 25.853(b)</td>
</tr>
<tr>
<td>Service Temperature</td>
<td>-40°F (-40°C) to +225°F (107°C) continuous to 275°F (135°C) intermittent</td>
</tr>
<tr>
<td>Thermal Conductivity</td>
<td>BTU-in/ft²h°F 0.25 (36mW/m²K) per ASTM C 177</td>
</tr>
</tbody>
</table>

Our Urethane Film Faced Foams are available with a barrier when both absorption and transmission loss is needed.

**FEATURES AND BENEFITS**

- Absorption of sound energy
- Minimal thickness and weight
- Optimal pore size, air flow resistance and density
- Chemical, dirt and moisture resistance
- Abrasion and puncture resistance

**BARRIER / ADHESIVE**

- Barrier Material - No
- Pressure Sensitive Adhesive (PSA) - No

**APPLICATION**

The primary method of application is utilizing a Pressure Sensitive Adhesive (PSA) backing and/or mechanical fasteners

**CUSTOMERS ALSO SEARCHED:**

- Silicone sponge
- Silicone gaskets
- Silicone foam
- Silicone gasket
- Microcellular urethane gaskets
- Cellular urethane gaskets
- Low outgassing UL 94 HBF gasket
- Die cut gasket
- Die cut seal
- Noise reduction
- Acoustical foam
- Foam kit
- Water jet foam
- Cab insulation
- Sound damping
- Sound absorbing
- Soundproof foam
- Melamine foam
- Barrier foam
- Acoustic foam

---

**DATASHEET**

**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.

---

**WWW.MODUSADVANCED.COM  •  SALES@MODUSADVANCED.COM**

©2016 Modus Advanced, Inc. All Rights Reserved.