Modus Advanced, Inc.'s WesCoustic™ Perforated Vinyl Faced Foams combine the absorption properties of acoustical foam with the toughness and durability of vinyl. Our flexible polyurethane open cell foams are manufactured to optimize pore size, air flow resistance and density. The perforation pattern has been engineered to provide maximum absorption and resilience. The attractive leather-like appearance makes it ideal for cab interiors, and enclosures. This material can be fabricated to customer specifications. This foam meets MVSS 302 for flammability.

### FEATURES AND BENEFITS

- Durable perforated vinyl face
- Maximum absorption and resilience
- Optimal pore size, air flow resistance and density

### BARRIER / ADHESIVE

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

### APPLICATION

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

### CUSTOMERS ALSO SEARCHED:

- Absorption Coefficient
- Coefficient
- ASTM C384

### DATASHEET

**WESCOUSTIC™ ACOUSTICAL FOAM**

**PERFORATED VINYL FACED FOAM**

**PART #: SP250-0985 THICKNESS: 0.5”**

<table>
<thead>
<tr>
<th>Property</th>
<th>SP250-0985 WesCoustic™ Perforated Vinyl Faced Foam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>0.5”</td>
</tr>
<tr>
<td>Color</td>
<td>Black</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>-40°F to +225°F (continuous)</td>
</tr>
<tr>
<td>Density</td>
<td>2lb/ft² (32 kg/m²) +/-10% or 4lb/ft² (64 kg/m²) +/-10% per ASTM D357486 test A</td>
</tr>
<tr>
<td>Tear Strength</td>
<td>1.5 psi (135 kPa) 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°F 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 alkalis. 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/ft²°F 0.25 (36mW/m·K) per ASTM C 177</td>
</tr>
</tbody>
</table>

**ABSORPTION COEFFICIENT ASTM C384**

- 1/2" (12mm) (0.66)

**ABSORPTION COEFFICIENT ASTM C384**

- Frequency (Hz)
  - 125
  - 250
  - 500
  - 1k
  - 2k
  - 4k

**Absorption Coefficient**

- 0
  - 0.2
  - 0.4
  - 0.6
  - 0.8
  - 1.0
  - 1.2

**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

**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.