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) - 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
- Urethane foam gaskets
- Cellular urethane
- Low outgassing
- UL 94 HB foam
- Die cut gasket

**DATASHEET**

**Property** | **SP250-1032 WesCoustic™ Perforated Vinyl Faced Foam**
--- | ---
Thickness | 1”
Color | Black
Temperature Range | -40°F to +225°F continuous
Density | 2lb/ft³ (32 kg/m³) +/-10% or 4lb/ft³ (64 kg/m³) +/-10% per ASTM D357486 test A
Tear Strength | 1.5 ppi (2.6 N/cm) per ASTM D3574-86 test F
Tensile Strength | 20 psi (135 kPa) per ASTM D3574-86-E
Elongation | 120% per ASTM D3574-86 test E
Compression Set (50% Deflection) | Max 10% ASTM D3574-86 test D
Heat Resistance | Retention of tensile strength after 22 hours dry heat aging at 140°C min. 70% ASTM D3574-86 test K
Humidity Resistance | Retention of tensile strength after 6 hours, steam autoclave at 105°C min. 70% ASTM D3574-86 test J
Chemical Resistance | Good for common fluids, water, petroleum, solvents and alkalis. Swelling will occur; will return to almost 100% after drying
Flammability | MVSS 302, UL-94 HF1, and FAR 25.853(b)
Service Temperature | -40°F (-40°C) to +225°F (107°C) continuous to 275°F (135°C) intermittent
Thermal Conductivity | BTU-in/ft²h°F 0.25 (36mW/mºK) per ASTM C 177

**ABSORPTION COEFFICIENT ASTM C384**

<table>
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<th>Frequency (Hz)</th>
<th>Absorption Coefficient</th>
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<tbody>
<tr>
<td>125</td>
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<tr>
<td>250</td>
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<tr>
<td>500</td>
<td>0.4</td>
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<tr>
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<tr>
<td>2k</td>
<td>0.8</td>
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<tr>
<td>4k</td>
<td>1.0</td>
</tr>
</tbody>
</table>

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**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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