WESCOUSTIC™ ACOUSTICAL FOAM
PERFORATED VINYL FACED FOAM
PART #: SP250-1042    THICKNESS: 1.5"

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:**
- Absorption Coefficient
- Coefficient of Thermal Expansion
- Density
- Die cut seal
- Noise reduction
- Acoustical foam
- Foam kit
- Water jet foam
- Cab insulation
- Sound damping
- Sound absorbing
- Soundproof foam
- Die cut gasket
- Metastable foam
- Barrier foam
- Acoustic foam

**DATASHEET**

### Property
- **Thickness:** 1.5"
- **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 ppl (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

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>Absorption Coefficient</th>
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<tbody>
<tr>
<td>125</td>
<td>0.2</td>
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<tr>
<td>250</td>
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<tr>
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</tr>
<tr>
<td>4k</td>
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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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