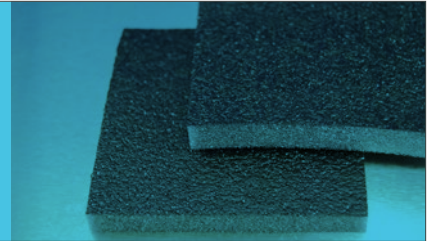


# WESCOUSTIC™ ACOUSTICAL FOAM

## URETHANE FILM FACED FOAM

PART #: SP250-1030 THICKNESS: 5/8"



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.

| Property                         | WesCoustic™ Urethane Film Faced Foam   |
|----------------------------------|--|
| Color                            | Black  |
| Density                          | 2lb/ft <sup>3</sup> (32 kg/m <sup>3</sup> ) +/-10% or 4lb/ft <sup>3</sup> (64 kg/m <sup>3</sup> ) +/-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/ft <sup>2</sup> h°F 0.25 (36mW/m <sup>2</sup> K) per ASTM C 177   |

### 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) - Yes

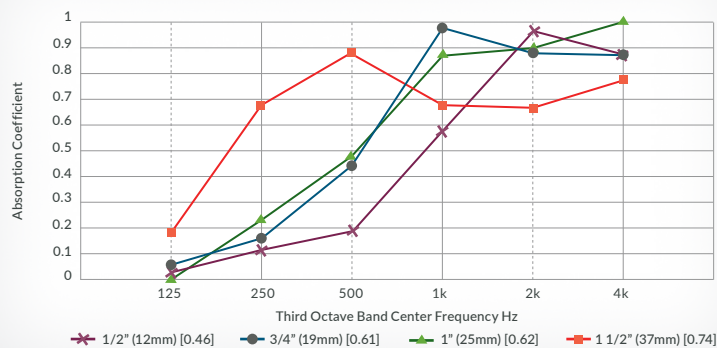
### APPLICATION

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

### CUSTOMERS ALSO SEARCHED:

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

ABSORPTION COEFFICIENT - ASTM C423-90A



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

## 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

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, Acoustical 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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