WESLASTOMER™ GRADE 4500
FIRM CLOSED CELL SILICONE SPONGE

Modus Advanced, Inc.’s WesLastomer™ Grade 4500 Firm Density Closed Cell Silicone Sponge is an excellent material for gasketing and padding applications that require a soft, compressible material. It is resistant to extreme temperatures and offers good compression set. Also, its non-interconnected closed cells prevent water absorption. Our Silicone Sponge is available in Soft, Medium, Firm and X-Firm Densities. Medium Density is the most popular. It is also available in many colors. Generally, the surface has a fine fabric finish on both sides. This material is available in continuous rolls up to 1/2” thick and sheets up to 1” thick.

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

FEATURES AND BENEFITS
- Extreme temperature resistance
- Ozone resistance
- Good compression set characteristics
- Radiation resistance
- Vibration isolation
- Mechanical resilience

APPLICATIONS
- High & low temperatures environments
- Outdoors
- Electrical insulation
- Environmental insulation

TYPICAL PROPERTIES
- Thickness: 1/16” through 1”
- Colors: Many
- Temperature Range: -103 to +450°F
- Tensile Range: 200 PSI
- Ultimate Elongation: 225%
- UV/Ozone Resistance: Excellent
- Water Absorption: Pass
- Density Range: .023-.028 lbs/cubic in.
- Compression Deflection: 17 PSI
- Compression Set, 22hrs @212°F: 25
- Brittle Point: -103°F

RESISTANCE CHART

<table>
<thead>
<tr>
<th>Rubber Type</th>
<th>Oil Resistance</th>
<th>Electrical Resistivity</th>
<th>Flame Resistance</th>
<th>Impact</th>
<th>Abrasion Resistance</th>
<th>Tear Resistance</th>
<th>Weather Resistance</th>
<th>Oxidation Resistance</th>
<th>Ozone Resistance</th>
<th>Major Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buna-N (Nitrile)</td>
<td>E</td>
<td>P</td>
<td>P</td>
<td>G</td>
<td>F</td>
<td>P</td>
<td>G</td>
<td>F</td>
<td>P</td>
<td>Excellent resistance to mineral and vegetable oils.</td>
</tr>
<tr>
<td>EPDM (Ethylene-Propylene-Diene-Methylene)</td>
<td>P</td>
<td>E</td>
<td>P</td>
<td>G</td>
<td>G</td>
<td>VG</td>
<td>G</td>
<td>VG</td>
<td>E</td>
<td>General purpose rubber with excellent weather resistance.</td>
</tr>
<tr>
<td>Neoprene</td>
<td>G</td>
<td>VG</td>
<td>G</td>
<td>G</td>
<td>E</td>
<td>VG</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>General purpose abrasion-resistant rubber with good oil resistance.</td>
</tr>
<tr>
<td>Santoprene</td>
<td>G</td>
<td>E</td>
<td>G</td>
<td>F</td>
<td>G</td>
<td>G</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>Good oil, solvent, and chemical resistance. Weathers well.</td>
</tr>
<tr>
<td>Silicone</td>
<td>F</td>
<td>G</td>
<td>F</td>
<td>F</td>
<td>P</td>
<td>P</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>Resistant to chemicals and to high and low temperatures.</td>
</tr>
<tr>
<td>Fluoroelastomer</td>
<td>E</td>
<td>G</td>
<td>VG</td>
<td>G</td>
<td>P</td>
<td>VG</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>Resists oil and chemicals at low and high temperatures.</td>
</tr>
</tbody>
</table>

CUSTOMERS ALSO SEARCHED:
- Silicone
- Silicone sponge
- Silicone gaskets
- Silicone sponge gasket
- Silicone foam
- Silicone gasket
- Microcellular urethane
- Urethane foam gaskets
- Cellular urethane
- LCD gaskets
- Low outgassing
- UL 94 HB/F gasket
- UL 94 V-0
- Water sealing
- RoHS gasket
- LED gasket
- Conductive gasket
- Die cut gasket
- Die cut seal
- Rubber gasket
- EMI shielding rubber
- Conductive rubber
- Form in place
- LED gasket

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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