BISCO® HT-800 medium firm silicone foam embodies the transition in the BISCO Silicone Cellular series from soft and conformable to firm and durable. It simultaneously retains the lightness of a foam while exhibiting enhanced sealing capabilities of a traditional sponge rubber. It is FDA compliant in accordance with FDA Regulation 21 CFR 177.2600 †.

Features & Benefits, applicable to all BISCO® Cellular Materials (Foams):
- Patented chemistry and cell structure provide long term performance advantage
- Temperature independency
- UV/ Ozone resistant
- Rated to most stringent flame standards

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD</th>
<th>TYPICAL VALUE</th>
<th>SPECIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Visual</td>
<td>Black, Gray, Red</td>
<td>---</td>
</tr>
<tr>
<td>Thickness, mm (inches)</td>
<td>Internal</td>
<td>0.79 - 12.70</td>
<td>(0.031 - 0.500)</td>
</tr>
<tr>
<td>Density, kg/m³ (lb./ft³)</td>
<td>Internal</td>
<td>352 (22)</td>
<td>300 - 473 (18.7 - 29.5)</td>
</tr>
<tr>
<td>Compression Force Deflection, kPa (psi)</td>
<td>ASTM D1056</td>
<td>67 (9.7)</td>
<td>41 - 97 (6 - 14)</td>
</tr>
<tr>
<td>Tensile Strength, kPa (psi)</td>
<td>ASTM D412</td>
<td>---</td>
<td>240 (35)</td>
</tr>
<tr>
<td>Elongation, % min</td>
<td>ASTM D412</td>
<td>---</td>
<td>45</td>
</tr>
<tr>
<td>Compression Set, %</td>
<td>ASTM D1056</td>
<td>2.4</td>
<td>&lt; 5</td>
</tr>
</tbody>
</table>

Flammability Properties:

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD</th>
<th>TYPICAL VALUE</th>
<th>SPECIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flame Resistance</td>
<td>UL 94 (File E83967)</td>
<td>V-0 ; HF-1</td>
<td>Meets</td>
</tr>
<tr>
<td>Flame Spread Index (Isc)</td>
<td>ASTM E162</td>
<td>Flaming Mode &lt; 35</td>
<td>Meets</td>
</tr>
<tr>
<td>Smoke Density (Ds)</td>
<td>ASTM E662</td>
<td>Flaming Mode @ 1.5 min, &lt; 100</td>
<td>Meets</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Flaming Mode @ 4.0 min, &lt; 200</td>
<td></td>
</tr>
<tr>
<td>Burn Length</td>
<td>FMVSS 302</td>
<td>&lt; 100 mm/min</td>
<td>Meets</td>
</tr>
</tbody>
</table>
### THERMAL PROPERTIES

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD</th>
<th>TYPICAL VALUE</th>
<th>SPECIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature Range, °C (°F)</td>
<td>Internal</td>
<td>---</td>
<td>-55 to +200 (-67 to +392)</td>
</tr>
<tr>
<td>Thermal Conductivity, W/m °K</td>
<td>ASTM D518</td>
<td>---</td>
<td>0.076</td>
</tr>
<tr>
<td>Low Temperature Flex</td>
<td>ASTM D1056</td>
<td>---</td>
<td>Pass</td>
</tr>
<tr>
<td>Low Temperature Brittleness</td>
<td>ASTM D746</td>
<td>---</td>
<td>Pass</td>
</tr>
</tbody>
</table>

### Standard Thickness Tolerances

<table>
<thead>
<tr>
<th>NOMINAL THICKNESS (mm)</th>
<th>TOLERANCE (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.79 (0.031)</td>
<td>+0.381/0.102 (+0.015/-0.004)</td>
</tr>
<tr>
<td>1.60 (0.063)</td>
<td>±0.058</td>
</tr>
<tr>
<td>2.39 (0.094)</td>
<td>±0.058</td>
</tr>
<tr>
<td>3.18 (0.125)</td>
<td>±0.0635</td>
</tr>
<tr>
<td>4.78 (0.188)</td>
<td>±0.0635</td>
</tr>
<tr>
<td>6.35 (0.250)</td>
<td>±0.0762</td>
</tr>
<tr>
<td>9.53 (0.375)</td>
<td>±1.143</td>
</tr>
<tr>
<td>12.70 (0.500)</td>
<td>±1.270</td>
</tr>
</tbody>
</table>

### Slit Material and Tape (PSA) Width Tolerances

<table>
<thead>
<tr>
<th>NOMINAL WIDTH (mm)</th>
<th>TOLERANCE (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 0 - 76</td>
<td>±1.60</td>
</tr>
<tr>
<td>(&gt; 0 - 3)</td>
<td>(±0.063)</td>
</tr>
<tr>
<td>&gt; 76 - 203</td>
<td>±2.39</td>
</tr>
<tr>
<td>(&gt; 3 - 8)</td>
<td>(±0.094)</td>
</tr>
<tr>
<td>&gt; 203 - 305</td>
<td>±3.18</td>
</tr>
<tr>
<td>(&gt; 8 - 12)</td>
<td>(±0.125)</td>
</tr>
<tr>
<td>&gt; 305 - 457</td>
<td>±4.78</td>
</tr>
<tr>
<td>(&gt; 12 - 18)</td>
<td>(±0.188)</td>
</tr>
<tr>
<td>&gt; 457 - 660</td>
<td>±5.56</td>
</tr>
<tr>
<td>(&gt; 18 - 26)</td>
<td>(±0.219)</td>
</tr>
<tr>
<td>&gt; 660 - 914</td>
<td>+25.4/-0</td>
</tr>
<tr>
<td>(&gt; 26 - 36)</td>
<td>(+1/-0)</td>
</tr>
</tbody>
</table>

† Statement of FDA compliance is based solely on the following: HT-800 (Gray) silicone foams (i) are compounded and cured under conditions of good manufacturing practice; and (ii) have been subjected to annual extraction testing in accordance with FDA Regulation 21 CFR 177.2600 paragraphs (e) and (f) and found to meet all extractives limitations, both of which are criteria set forth in 21 CFR 177.2600 as necessary for rubber articles intended for repeated use in those areas specified in the regulation.

**Notes:**
- All metric conversions are approximate. Reference US customary units for official values and tolerances.
- Additional technical information is available.
- Values should not be used for specification limits.