COHRlastic® F-12 from Auburn is comprised of a flame-retardant, modified cell silicone foam that offers a lightweight flame-retardant barrier. The F-12 is often the product of choice in aircraft aerospace, mass transit, and military markets as a lightweight fire wall protection blanket. Electronics markets depend on the F-12 for high temperature gasketing.

**Physical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>F-12 Silicone Foam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Gray</td>
</tr>
<tr>
<td>Compression Deflection (psi)</td>
<td>3.0</td>
</tr>
<tr>
<td>Tensile Strength (psi)</td>
<td>25</td>
</tr>
<tr>
<td>Elongation (%)</td>
<td>60</td>
</tr>
<tr>
<td>Compression Set (%)</td>
<td>10</td>
</tr>
<tr>
<td>Density (lbs./ft³)</td>
<td>12</td>
</tr>
<tr>
<td>Thermal Conductivity (in./hr.ft²)</td>
<td>0.42</td>
</tr>
<tr>
<td>Operating Temperature (°F)</td>
<td>-60°F - +400°F</td>
</tr>
<tr>
<td>Flame Spread Index (ASTM E162)</td>
<td>11.5</td>
</tr>
</tbody>
</table>

All properties are typical values and should not be used for writing specifications.

**Recommended Uses**

- Flame retardant lighting gaskets
- Electronic and environmental dust seals
- Electronic and environmental weather gaskets
- Flame retardant insulation gaskets for aircraft bulkheads
- Flame retardant vibration damping gaskets and seals

**Availability**

- F-12 can be purchased in 36” x 36” sheets or as yard goods 36” wide.
- Available thicknesses: 1/16”, 1/8”, 3/16”, 1/4”, 3/8”, 1/2”, 3/4” and 1.00”.
- Foam can be affixed with a pressure-sensitive adhesive on one or both sides
- Slit rolls, either plain or adhesive-back, are available 1/4” thru 36” wide.

**Application Advantages**

- UL Guide Flame-Retardant 94, V-0.
- Excellent acoustical insulation.
- Non toxic, low smoke generation, low flame spread.
- Excellent compression set resistance.
- Meets flammability requirements of FAR 25.853.
- Meets flammability requirements of FAR 25.856 (A1 and B).
- UL- recognized weather seal gasket.
- Meets ASTM E162 and E662.
- Meets Bombardier SMP 800-C.
- Meets Lockheed MD987.
- Non-corrosive for use with metals in hostile environments.

Auburn Manufacturing Company
29 Stack Street
Middletown, CT 06457
Customer Service: (800) 427-5387
Tel: (860) 346-6677
Fax: (860) 346-1334
Email: info@auburn-mfg.com
Website: www.auburn-mfg.com