PRODUCT DEFINITION

Volara type AF was developed to meet certain federal, military, and industry requirements on the flammability of cellular plastics. The data present here shows its performance when tested in accordance with these test methods. It should be understood that laboratory tests do not represent actual fire conditions.

Volara type AF is an irradiation crosslinked polyethylene foam with a continuous smooth surface, fine cell structure, excellent mechanical properties.

PRODUCT CHARACTERISTICS

- General purpose foams
- Excellent chemical resistance
- Excellent mechanical properties
- Ideal for gasket applications
- Laminates to 2” available

PRODUCT FORM

Produced both roll and sheet form

Density: 2pcf

Thickness range:
- Rolls: 1/8” to 5/8”
- Sheets: 1/2” to 1.5”

Standard wide is 60” (Other widths are also available)

Standard colors are natural-white and black
- Custom colors are available on request

PRODUCT PERFORMANCE

ASTM E-84/2003: 1/8”

UL94 for Foamed Plastics: 94HF-1

FAR 25.853(a): PASS

FMVSS-302 Motor Vehicle: PASS

• Horizontal burn rate < 4.0 ipm
• Vertical <8 in. length <15 sec.
• UF 94 for Foamed Plastics: 94HF-1
• Horizontal, Ratings: HBF-SE < 1.5 ipm
• HF-1, NBR-0 drips do not ignite
• Flame Spread Index: 5
• Smoke Developed Index: 75

APPLICATIONS

- Transportation Industry
- General Industrial
- Industrial Tape
- Recreation & Leisure
- Packaging Dunnage
- Aviation & Aerospace
- Medical Tape & Healthcare

Michigan Location

Sekisui Voltek, LLC
17 Allen Avenue
Coldwater, MI 49036

Tel: (800) 544-2254
Fax: (517) 279-8562

www.SekisuiVoltek.com
## TYPICAL PROPERTIES OF VOLARA AF

<table>
<thead>
<tr>
<th>Property</th>
<th>2AF .125”</th>
<th>4 AF .125”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compression Strength, PSI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(lb / sq-in) @ 25% deflection</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>(lb / sq-in) @ 50% deflection</td>
<td>14</td>
<td>21</td>
</tr>
<tr>
<td>Tensile Strength, PSI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(lb / sq-in) Machine Direction</td>
<td>59</td>
<td>126</td>
</tr>
<tr>
<td>(lb / sq-in) Cross-Machine Direction</td>
<td>34</td>
<td>83</td>
</tr>
<tr>
<td>Tensile Elongation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(% Machine Direction)</td>
<td>111</td>
<td>177</td>
</tr>
<tr>
<td>(% Cross-Machine Direction)</td>
<td>96</td>
<td>119</td>
</tr>
<tr>
<td>Tear Resistance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(lb / in) Machine Direction</td>
<td>6</td>
<td>16</td>
</tr>
<tr>
<td>(lb / in) Cross-Machine Direction</td>
<td>11</td>
<td>24</td>
</tr>
<tr>
<td>Compression Set</td>
<td></td>
<td></td>
</tr>
<tr>
<td>% Original Thickness</td>
<td>33</td>
<td>23</td>
</tr>
<tr>
<td>Thermal Stability</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AVE MD% 24 hrs @ 158°F dimensional change</td>
<td>-1.3</td>
<td>-0.97</td>
</tr>
<tr>
<td>AVE CD% 24 hrs @ 158°F maximum, no load</td>
<td>-0.8</td>
<td>-0.43</td>
</tr>
</tbody>
</table>

February, 2017

**NOTE:**

This data represented on this technical data sheet should be used as a guideline for product selection. This data is not intended to represent, replace or be used as a proxy for a specific productsales specification. The physical properties are averages based on limited production runs and are subject to change as additional data becomes available.