Volara type M is a flexible closed-cell polyethylene foam that is crosslinked by means of a unique electron irradiation process. This results in a continuous smooth surface foam material with a fine cell structure and excellent mechanical properties. Compared to Volara type A, Volara type M offers higher temperature resistance along with higher stiffness.

PRODUCT CHARACTERSITICS

- Excellent thermal insulation
- Excellent chemical resistance
- Good mechanical properties at low densities
- Good compression molding grade
- Laminates to 2” available

PRODUCT FORM

Produced in roll form up to 2500 lineal feet
- Density: 2pcf to 6pcf
- Thickness range: 0.031” to 0.420”
- Width range to 80”

PRODUCT COLORS

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

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 M

<table>
<thead>
<tr>
<th>Property</th>
<th>3pcf</th>
<th>6pcf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compression Strength / (ASTM D3575)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(lb / sq-in) @ 25% compression</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td>Tensile Strength / (ASTM D3575)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(lb / sq-in) Machine Direction</td>
<td>96</td>
<td>196</td>
</tr>
<tr>
<td>(lb / sq-in) Cross-Machine Direction</td>
<td>70</td>
<td>147</td>
</tr>
<tr>
<td>Tensile Elongation / (ASTM D3575)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(%) Machine Direction</td>
<td>146</td>
<td>199</td>
</tr>
<tr>
<td>(%) Cross-Machine Direction</td>
<td>114</td>
<td>127</td>
</tr>
<tr>
<td>Tear Resistance / (ASTM D3575)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(lb / in) Machine Direction</td>
<td>14</td>
<td>32</td>
</tr>
<tr>
<td>(lb / in) Cross-Machine Direction</td>
<td>22</td>
<td>47</td>
</tr>
<tr>
<td>Compression Set / (ASTM D3575)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>% Original Thickness</td>
<td>23</td>
<td>15</td>
</tr>
<tr>
<td>Thermal Stability 3 Hour Test @ 180°F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AVE MD%</td>
<td>-0.8</td>
<td>-0.8</td>
</tr>
<tr>
<td>AVE CD% Change</td>
<td>-0.4</td>
<td>-0.4</td>
</tr>
</tbody>
</table>

September, 2010

**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.