# TYPICAL PROPERTIES OF Ensolite® IV1

**POLYMER**

<table>
<thead>
<tr>
<th>PHYSICAL PROPERTY</th>
<th>TEST METHOD</th>
<th>UNIT OF MEASURE</th>
<th>RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPRESSION DEFLECTION 25%</td>
<td>ASTM D1056</td>
<td>psi, kPa</td>
<td>2 - 5, 13.8 – 34.4</td>
</tr>
<tr>
<td>DENSITY</td>
<td>ASTM D1056</td>
<td>pcf, g/cm³</td>
<td>3 - 5.5, .048 – .088</td>
</tr>
<tr>
<td>COMPRESSION SET (MAX)</td>
<td>ASTM D1056</td>
<td>%</td>
<td>40</td>
</tr>
<tr>
<td>WATER ABSORPTION (MAX)</td>
<td>ASTM D1056</td>
<td>%</td>
<td>10</td>
</tr>
<tr>
<td>TENSILE STRENGTH (MIN)</td>
<td>ASTM D412 (DIE A)</td>
<td>psi, kPa</td>
<td>50, 345</td>
</tr>
<tr>
<td>ELONGATION (MIN)</td>
<td>ASTM D412 (DIE A)</td>
<td>%</td>
<td>100</td>
</tr>
<tr>
<td>TEAR STRENGTH (Typical)</td>
<td>ASTM D624 (DIE C)</td>
<td>lb/in, kN/m</td>
<td>9, 1.6</td>
</tr>
<tr>
<td>CD CHANGE AFTER OVEN AGING</td>
<td>ASTM D1056</td>
<td>%</td>
<td>±30</td>
</tr>
<tr>
<td>SHORE OO</td>
<td>ASTM D2240</td>
<td></td>
<td>30-45</td>
</tr>
</tbody>
</table>

**COLOR**

- N/A
- BLACK

**SPECIFICATIONS**

- ASTM D1056-07…………………………..2C1
- ASTM D1056 Suffix's………………………F1, M
- ASTM D6576-07……………Type II A, B, Soft
- GMW15473…………………………..Class I Type IV
- WSK-M2D419-A………………..Type II
- TSM 1501G…………………………….2C1
- UL50E………………………………..LISTED

Contact customer service for exceptions.

**FLAMMABILITY SPECIFICATIONS**

- FMVSS-302…………………………..PASS
- FAR 25.853 F Part 1 (a)(1)(ii) ……PASS
- UL94 HF-1…………………………..LISTED
- UL94 V0, V1…………………………..LISTED

Contact customer service for thickness data.

**ADDITIONAL INFORMATION**

- Service Temperature: -40°F to 200°F
- Thermal Conductivity: .231 Btu-in/hr-Ft²-°F

For updates to this document, please refer to our website or contact customer service.

This information is furnished as a guide for selecting materials. Rubberlite Inc. disclaims liability for results or use of this information. It is the customer’s responsibility to obtain and test samples when determining suitability of material for a particular application.

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