**INDURE E1500 HG**

**DESCRIPTION:**
INDURE™ E1500 HG is a thermoplastic olefinic elastomer (TPO) designed for high-gloss thermoformed applications where excellent gloss retention after forming is required. This material has excellent UV stability. The material is designed for use as a coextrusion cap layer with other extrusion-grade TPOs from Solvay Engineered Polymers.

**APPLICATIONS:**
High-gloss, thermoformed interior and exterior parts.

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TYPICAL VALUE</th>
<th>UNITS</th>
<th>ASTM METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PHYSICAL</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.90</td>
<td></td>
<td>D-792B</td>
</tr>
<tr>
<td>Melt Flow Rate</td>
<td>2.00</td>
<td>g/10 min</td>
<td>D-1238, 230°C / 2.16 kg</td>
</tr>
<tr>
<td><strong>MECHANICAL</strong></td>
<td></td>
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<tr>
<td>Flexural Modulus</td>
<td>147,000</td>
<td>psi</td>
<td>D-790, 1% SEC, 0.05 in/min</td>
</tr>
<tr>
<td>(1,010)</td>
<td>(MPa)</td>
<td>D-790, 1% SEC, 0.05 in/min</td>
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</tr>
<tr>
<td>Tensile Strength @ Yield</td>
<td>4,300</td>
<td>psi</td>
<td>D-638, IV, 2 in/min</td>
</tr>
<tr>
<td>(30)</td>
<td>(MPa)</td>
<td>D-638</td>
<td></td>
</tr>
<tr>
<td>Elongation @ Yield</td>
<td>13</td>
<td>%</td>
<td>D-638</td>
</tr>
<tr>
<td>Notched Izod @ 23°C</td>
<td>0.74 CB</td>
<td>ft-lb/in</td>
<td>D-256A</td>
</tr>
</tbody>
</table>

60° Gardner Gloss, Smooth Sheet
- Before forming: 85+ %
- After forming: 85+ %

**THERMAL**

<table>
<thead>
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<th>ASTM METHOD</th>
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</thead>
<tbody>
<tr>
<td>HDT @ 66 psi (455 kPa)</td>
<td>74</td>
<td>°F</td>
<td>D-648</td>
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<tr>
<td>(165)</td>
<td>(°C)</td>
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</tbody>
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10-24-02