**Alathon L5332CP**

**High Density Polyethylene**

**Sheet Extrusion Grade**

Melt Index  0.32  Density  0.953

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**Applications**

*Alathon* L5332CP exhibits an excellent balance of stiffness and environmental stress crack resistance. Typical end uses include thick sheet for architectural applications and for assembly into industrial parts.

**Regulatory Status**

L5332CP meets the requirements of the Food and Drug Administration regulation 21 CFR 177.1520. This regulation allows the use of this olefin polymer in “…articles or components of articles intended for use in contact with food…” Specific limitations or conditions of use may apply. Contact your Equistar product safety representative for more information.

**Processing Techniques**

Specific recommendations for processing L5332CP can only be made when the processing conditions, equipment and end use are known.

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**Typical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Nominal Value</th>
<th>Units</th>
<th>ASTM Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melt Index</td>
<td>0.32</td>
<td>g/10 min</td>
<td>D1238</td>
</tr>
<tr>
<td>Density</td>
<td>0.953</td>
<td>g/cc</td>
<td>D1505</td>
</tr>
<tr>
<td>Tensile Strength @ Yield</td>
<td>4000</td>
<td>psi</td>
<td>D638</td>
</tr>
<tr>
<td>Elongation @ Yield</td>
<td>8</td>
<td>%</td>
<td>D638</td>
</tr>
<tr>
<td>Elongation @ Break</td>
<td>&gt;800</td>
<td>%</td>
<td>D638</td>
</tr>
<tr>
<td>Flexural Modulus (2% Secant)</td>
<td>160,000</td>
<td>psi</td>
<td>D790</td>
</tr>
<tr>
<td>Tensile Impact</td>
<td>190</td>
<td>ft-lb/in.</td>
<td>D1822</td>
</tr>
<tr>
<td>Heat Deflection Temperature @ 66 psi</td>
<td>69</td>
<td>°C</td>
<td>D648</td>
</tr>
<tr>
<td>Vicat Softening Point</td>
<td>127</td>
<td>°C</td>
<td>D1525</td>
</tr>
<tr>
<td>Hardness, Shore D</td>
<td>66</td>
<td></td>
<td>D2240</td>
</tr>
<tr>
<td>Bent Strip ESCR, 100% Igepal</td>
<td>450</td>
<td>hours</td>
<td>D1693</td>
</tr>
</tbody>
</table>

These are typical values not to be construed as specification limits.

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LyondellBasell markets this product through the following entities:

- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
- LyondellBasell Australia Pty Ltd

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Users should review the applicable Material Safety Data Sheet before handling the product.

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