Product Description
Plexar tie-layers are chemically modified resins used to bond unlike materials, primarily in packaging and industrial applications. Common adherents include polyethylene resins and copolymers, EVA, EMA, polypropylene, polyamide (nylon), ethylene vinyl alcohol copolymers (EVOH), ionomer and other sealants, polyethylene terephthalate (PET) resins and copolymers, styrene polymers, metal, and paperboard. Product grades primarily used for blown and cast films, sheet and thermoforming, blow molding, extrusion coating and lamination, tubing, pipe, and other specialty applications are available in pellet form. Contact your Plexar sales and/or Equistar technical service representative for more information and specific recommendations for your application(s).

Regulatory Status
For regulatory compliance information, see Plexar PX2250 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status
Commercial: Active
Availability
Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
Application
Lamination Film
Market
Flexible Packaging; Tie-Layer
Processing Method
Blown Film

<table>
<thead>
<tr>
<th>Typical Properties</th>
<th>Nominal Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melt Flow Rate, (190 °C/2.16 kg)</td>
<td>6.0</td>
<td>g/10 min</td>
<td>ASTM D1238</td>
</tr>
<tr>
<td>Density, (23 °C)</td>
<td>0.943</td>
<td>g/cm³</td>
<td>ASTM D1505</td>
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<tr>
<td>Mechanical</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flexural Modulus, (1% Secant)</td>
<td>758</td>
<td>MPa</td>
<td>ASTM D790</td>
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<tr>
<td>Tensile Strength at Break</td>
<td>13.1</td>
<td>MPa</td>
<td>ASTM D638</td>
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<tr>
<td>Tensile Elongation at Break</td>
<td>500</td>
<td>%</td>
<td>ASTM D638</td>
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<tr>
<td>Thermal</td>
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<tr>
<td>Vicat Softening Point</td>
<td>102</td>
<td>ºC</td>
<td>ASTM D1525</td>
</tr>
</tbody>
</table>
Notes
These are typical property values not to be construed as specification limits.

Processing Techniques
A process melt temperature above 410°F (210°C) is recommended to ensure adhesion between adherents.
Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information
For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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