AT 505

LOW DENSITY POLYETHYLENE

Product Description
This resin is commonly used for the production of high strength general purpose packaging and shrink films.

<table>
<thead>
<tr>
<th>Resin Properties</th>
<th>Typical Value</th>
<th>SI Unit</th>
<th>Imperial Unit</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vinyl Acetate</td>
<td>0 %</td>
<td>0 %</td>
<td></td>
<td>PTM-39</td>
</tr>
<tr>
<td>Melt Index (190 °C/2.16 kg)</td>
<td>0.3</td>
<td>g/10 min.</td>
<td>0.3 g/10 min.</td>
<td>ASTM D1238</td>
</tr>
<tr>
<td>Density</td>
<td>924 kg/m³</td>
<td>0.924 g/cm³</td>
<td></td>
<td>ASTM D1505 ASTM D1928 Proc A</td>
</tr>
<tr>
<td>Antioxidant</td>
<td>No</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Thermal Properties
- DSC Melt Temp: 112 °C / 234 °F (ASTM D3418)
- Vicat Softening Point: 101 °C / 214 °F (ASTM D1525)

Molded Plaque Properties
- Tensile Strength at Break: 20 MPa / 2900 psi (ASTM D638 Type IV (50mm/min))
- Elongation at Break: 610 % / 610 %
- Hardness - Shore A: 97 -- / 97 -- (ASTM D2240)
- Hardness - Shore D: 52 -- / 52 --
- Flexural Modulus (1% Secant): 270 MPa / 39,160 psi (ASTM D790)

Processing Information
This polymer may be processed using conventional polymer processing equipment.

Regulatory Compliance
Contact Celanese Customer Service for information about food contact or other regulatory compliance.

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Revised: 12/12/2014 EVA.techservice@celanese.com