LDPE

AT 415

LOW DENSITY POLYETHYLENE

Product Description

This resin is commonly used for extrusion coating and lamination applications such as envelope stock and thin paper coatings. This resin has excellent adhesion and high line speed capability.

<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>15.0 g/10 min.</td>
<td>15.0 g/10 min.</td>
<td>ASTM D1238</td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>919 kg/m³</td>
<td>0.919 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

| Vicat Softening Point  | 88 °C         | 190 °F    | ASTM D1525   |

Molded Plaque Properties

| Tensile Strength at Break | 9 MPa         | 1310 psi   | ASTM D638 Type IV (50mm/min) |
| Elongation at Break       | 500 %         | 500 %      |               |

Processing Information

This polymer may be processed on conventional extrusion equipment. A melt temperature in the 270-310°C range is recommended for this resin.

Regulatory Compliance

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

Disclaimer:
Values shown are based on testing of laboratory test specimens and represent data that fall within the standard range of properties for natural material. These values alone do not represent a sufficient basis for any part design and are not intended for use in establishing maximum, minimum, or ranges of values for specification purposes. Colorants or other additives may cause significant variations in data values.

Properties of parts may be influenced by a wide variety of factors including, but not limited to, material selection, additives, part design, processing conditions and environmental exposure. Any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use.

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We strongly recommend that users seek and adhere to the manufacturer’s current instructions for handling each material they use, and entrust the handling of such material to adequately trained personnel only. Please contact EVA.techservice@celanese.com for additional technical information. Please read and comply with the recommendations outlined in the Materials Safety Data Sheets (MSDS), which may be obtained by calling Customer Services at 1-800-661-3663.

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