DuPont™ Elvaloy® 4170

Elvaloy® RET resins Product Data Sheet

Description
Product Description
DuPont™ Elvaloy® 4170 is a Reactive Elastomeric Terpolymer (RET) that can be used to modify the properties of asphalt binder used in paving.

Elvaloy® 4170 is the most chemically reactive of the terpolymers manufactured by DuPont for use with asphalt. It is effective when used with a wide range of asphalts, at mix levels as low as 0.5%, and is rarely used over 2.5%

Resulting polymer modified asphalt (PMA) is very stable, and can be stored for extended periods.

Restrictions
Material Status
Commercial: Active

Availability
Globally

Typical Characteristics
Features
Bulk Density 0.58 g/cubic cm

Benefits
Most reactive grade for asphalt (bitumen) modification.

Applications
Asphalt (Bitumen) Modification

Typical Properties

<table>
<thead>
<tr>
<th>Physical</th>
<th>Nominal Values</th>
<th>Test Method(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>0.94 g/cm³</td>
<td>ASTM D792</td>
</tr>
<tr>
<td>Melt Flow Rate (190°C/2.16kg)</td>
<td>8 g/10 min</td>
<td>ASTM D1238</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Thermal</th>
<th>Nominal Values</th>
<th>Test Method(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting Point (DSC)</td>
<td>72°C (162°F)</td>
<td>ASTM D3417</td>
</tr>
</tbody>
</table>

Processing Information

General
- Maximum Processing Temperature 280°C (536°F)

Safety & Handling
For information on appropriate Handling & Storage of this polymeric resin, please refer to the Material Safety Data Sheet.
A Product Safety Bulletin, Material Safety Data Sheet, and/or more detailed information on extrusion processing and/or compounding of this polymeric resin for specific applications are available from your DuPont Packaging and Industrial Polymers representative.

Read and Understand the Material Safety Data Sheet (MSDS) before using this product

Regional Centres
DuPont operates in more than 70 countries. For help finding a local representative, please contact one of the following regional customer contact centers:

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