**DuPont™ Elvaloy® AC 3135**

**Elvaloy® AC resins Product Data Sheet**

### Description

**Product Description**

Elvaloy® AC 3135 is a copolymer of ethylene and butyl acrylate. It is available in pellet form for use in conventional extrusion equipment designed to process polyethylene type resins.

### Restrictions

**Material Status**

- Commercial: Active

### Typical Characteristics

**Composition**

35 % By Weight Butyl Acrylate comonomer content

**Features**

Contains Slip additive.

### Typical Properties

#### Physical

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

#### Thermal

<table>
<thead>
<tr>
<th>Nominal Values</th>
<th>Test Method(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting Point (DSC)</td>
<td>ASTM D3418</td>
</tr>
</tbody>
</table>

### Processing Information

**General**

- Maximum Processing Temperature: 310°C (590°F)

**General Processing Information**

Elvaloy® AC 3135 is normally processed at melt temperatures ranging from 160°C - 235°C (320°F - 455°F) in blown film or cast film equipment. A typical blown film extruder temperature profile is given below. Actual processing temperatures will be determined by either the specific equipment or one of the other polymers in a coextrusion. Elvaloy® AC 3135 can also be used in cast extrusions and coextrusions. It is easily processed on standard equipment used for low density polyethylene.

**Blown Film Processing**

<table>
<thead>
<tr>
<th>Nominal Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feed Zone</td>
</tr>
<tr>
<td>Second Zone</td>
</tr>
<tr>
<td>Third Zone</td>
</tr>
<tr>
<td>Fourth Zone</td>
</tr>
</tbody>
</table>
Fifth Zone
185°C (365°F)

Adapter Zone
185°C (365°F)

Die Zone
185°C (365°F)

FDA Status Information
ELVALOY® AC 3135 Acrylate Copolymer Resin complies with Food and Drug Administration Regulation 21 CFR 175.105 - - Adhesives. This Regulation describes adhesives that may be used as components of articles intended for use in packaging, transporting, or holding food, subject to the limitations and requirements therein.

ELVALOY® AC 3135 Acrylate Copolymer Resin complies with Food and Drug Administration Regulation 21 CFR 176.180 - - Components of paper and paperboard in contact with dry food, subject to the limitations and requirements therein. This Regulation describes substances that may be used as components of the uncoated and coated food-contact surface of paper and paperboard in contact with dry food (Food Type VIII, identified in 21 CFR 176.170(c), Table 1).

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Regulatory Information
For information on regulatory compliance outside of the U.S., consult your local DuPont representative.

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

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This data sheet is effective as of 08/08/2010 12:42:30 PM and supersedes all previous versions.