Elvax® resins Product Data Sheet

**Description**

| Product Description | DuPont™ Elvax® 410 is an ethylene-vinyl acetate copolymer resin for use in industrial applications. |

**Restrictions**

<table>
<thead>
<tr>
<th>Material Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial: Active</td>
</tr>
<tr>
<td>Availability: Globally</td>
</tr>
</tbody>
</table>

**Typical Characteristics**

| Composition | 18 % By Weight Vinyl Acetate comonomer content |
| Thermal Stabilizer: BHT antioxidant |
| Applications | Elvax® resins can be used in a variety of applications involving molding, compounding, extrusion, adhesives, sealants, and wax blends. For additional information and properties associated with specific applications, please refer to the Grade Selector Guides found on the Elvax® website for industrial applications. [http://www2.dupont.com/Elvax/en_US/tech_info/index.html](http://www2.dupont.com/Elvax/en_US/tech_info/index.html) |

**Typical Properties**

<table>
<thead>
<tr>
<th>Physical</th>
<th>Nominal Values</th>
<th>Test Method(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density (g/cm³)</td>
<td>0.934</td>
<td>ASTM D792, ISO 1183</td>
</tr>
<tr>
<td>Melt Flow Rate (190°C/2.16kg)</td>
<td>500 g/10 min</td>
<td>ASTM D1238, ISO 1133</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>73°C (163°F)</td>
<td>ASTM D3418, ISO 3146</td>
</tr>
<tr>
<td>Freezing Point (DSC)</td>
<td>53°C (127°F)</td>
<td>ASTM D3418, ISO 3146</td>
</tr>
</tbody>
</table>

**Processing Information**

<table>
<thead>
<tr>
<th>General</th>
<th>Maximum Processing Temperature</th>
<th>230°C (446°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Processing Information</td>
<td>Elvax® resins can be processed by conventional thermoplastic processing techniques, including injection molding, structural foam molding, sheet and shape extrusion, blow molding and wire coating. They can also be processed using conventional rubber processing techniques such as Banbury, two-roll milling and compression molding. Elvax can be used in conventional extrusion equipment designed to process polyethylene resins. However, corrosion-protected barrels, screws, adapters, and dies are recommended, since, at sustained melt temperatures above 446°F (230°C), ethylene vinyl acetate (EVA) resins may thermally degrade and release degradation.</td>
<td></td>
</tr>
</tbody>
</table>
corrosive by-products.

### FDA Status Information
ELVAX® 410 EVA Resin complies with Food and Drug Administration Regulation 21 CFR 177.1350(a)(1) - Ethylene-vinyl acetate copolymers, subject to the limitations and requirements therein. This Regulation describes polymers that may be used in contact with food, subject to the finished food-contact article meeting the extractive limitations under the intended conditions of use, as shown in paragraph (b)(1) of the Regulation.

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### 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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Regarding Medical Applications H-50103-3 and DuPont CAUTION Regarding Medical Applications H-50102-3.

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