DuPont™ Elvax® 550A

Elvax® resins Product Data Sheet

**Description**

Product Description
DuPont™ Elvax® 550A is an ethylene-vinyl acetate copolymer resin for use in industrial applications.

**Restrictions**

Material Status
- Commercial: Active

Availability
- Europe, Middle East

**Typical Characteristics**

Composition
15 % 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://www.dupont.com/industrial-polymers/elvax/index.html](http://www.dupont.com/industrial-polymers/elvax/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 ()</td>
<td>0.935 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>90°C (194°F)</td>
<td>ASTM D3418</td>
</tr>
<tr>
<td>Freezing Point (DSC)</td>
<td>73°C (163°F)</td>
<td>ASTM D3418</td>
</tr>
<tr>
<td>Vicat Softening Point ()</td>
<td>62°C (144°F)</td>
<td>ASTM D1525</td>
</tr>
</tbody>
</table>

**Processing Information**

General
- Maximum Processing Temperature: 230°C (446°F)

General Processing Information
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
corrosive by-products.

**FDA Status Information**

ELVAX® 550A 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.

The information and certifications provided herein are based on data we believe to be
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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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