DuPont™ Elvaloy® 741

Elvaloy® resins Product Data Sheet

Description

Product Description
DuPont™ Elvaloy® 741 an ethylene/vinyl acetate/carbon monoxide (E/VA/CO) copolymer.

Restrictions

Material Status
• Commercial: Active

Availability
• Globally

Other Restrictions
DuPont recommends to consume the product within 18 months after date of production. See CoA (Certificate of Analysis) supplied with the resin to confirm date of manufacture. If no CoA is available, contact your DuPont representative to determine the date of manufacture based on the production batch or lot number.

Typical Characteristics

Uses
• Polymer Modifier

Features
Permanent, non-migrating PVC modifier. CPVC, TPU modifier.

Characteristics / Benefits
Elvaloy® 741 copolymer deliver toughness and flexibility that is locked in to PVC. Elvaloy® 741 copolymer will not migrate like liquid plasticizers.

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value</th>
<th>Units</th>
<th>ASTM Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength</td>
<td>5.9</td>
<td>MPa</td>
<td>D638</td>
</tr>
<tr>
<td>Elongation at Break</td>
<td>950</td>
<td>%</td>
<td>D638</td>
</tr>
<tr>
<td>Hardness (Durometer)</td>
<td>70</td>
<td>Shore A</td>
<td>D2240</td>
</tr>
<tr>
<td>Tg</td>
<td>-32</td>
<td>°C</td>
<td>D3418</td>
</tr>
<tr>
<td>Molecular Wt. Dist.</td>
<td>Normal</td>
<td></td>
<td>D3593</td>
</tr>
</tbody>
</table>

Applications
Elvaloy® 741 is a high molecular weight copolymer often used as a non-migrating, permanent PVC plastizer in roofing, geo-membranes, and other applications needing flexible PVC.

Typical Properties

Physical

Nominal Values
• Density (ρ)
1 g/cm³

• Melt Flow Rate (190°C/2.16kg)
35 g/10 min

Test Method(s)
ASTM D792
ISO 1183

Thermal

Nominal Values
• Melting Point (DSC)
66°C (151°F)

Test Method(s)
ASTM D3418
ISO 3146

Processing Information

General
- Maximum Processing Temperature 240°C (464°F)

**FDA Status Information**

DuPont™ ELVALOY® 741 Resin Modifier 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.

The information and certifications provided herein are based on data we believe to be reliable, to the best of our knowledge. The information and certifications apply only to the specific material designated herein as sold by DuPont and do not apply to use in any process or in combination with any other material. They are provided at the request of and without charge to our customers. Accordingly, DuPont cannot guarantee or warrant such certifications or information and assumes no liability for their use.

**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

**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:

**Americas**

DuPont Company
Chestnut Run Plaza – Bldg. 730
974 Centre Road
Wilmington, Delaware
19805  U.S.A.
Toll-Free (USA):  1-800-628-6208
Telephone:     1-302-774-1000
Fax:     1-302-355-4013

DuPont do Brasil, S.A.
Alameda Itapecuru, 506
06454-080 Barueri, SP Brasil
Telephone: +55 11 4166 8000
Fax: +55 11 4166 8736

**Asia Pacific**

DuPont China Holding Co., Ltd.
Shanghai Branch
399 Keyuan Road, Bldg. 11
Zhangjiang Hi-Tech Park
Pudong New District, Shanghai
P.R. China (Postcode: 201203)
Telephone +86 21 3862 2888
Fax +86-21-3862-2889

**Europe / Middle East / Africa**

DuPont de Nemours Int’l. S.A.
2,Chemin du Pavillon Box 50
CH-1218 Le Grand Saconnex
Geneva, Switzerland
Telephone +41 22 717 51 11
Fax +41 22 717 55 00

http://elvaloy.dupont.com

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medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative. You may also request a copy of DuPont POLICY Regarding Medical Applications H-50103-3 and DuPont CAUTION Regarding Medical Applications H-50102-3.

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This data sheet is effective as of 04/23/2008 10:33:18 AM and supersedes all previous versions.