

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.

Property	Typical Value	Units	ASTM Tes Method
Tensile Strength	5.9	MPa	D638
Elongation at Break	950	%	D638
Hardness (Durometer)	70	Shore A	D2240
Tg	-32	°C	D3418
Molecular Wt. Distr.	Normal		D3593

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	Test Method(s)
* Density ()	1 g/cm³	ASTM D792 ISO 1183
* Melt Flow Rate (190°C/2.16kg)	35 g/10 min	ASTM D1238 ISO 1133

Thermal	Nominal Values	Test Method(s)
* Melting Point (DSC)	66°C (151°F)	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.

Regulatory Information

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

Safety & Handling

As with any hot material, care should be taken to protect the hands and other exposed parts of the body when working with molten polymer.

At temperatures above 240 °C (464 °F), these resins can evolve low concentrations of fumes. When resins are overheated, more extensive decomposition may occur. Because fumes produced during exposure to high temperatures may be combustible, exposure of overheated resin to atmospheric oxygen should be avoided if possible. Adequate local ventilation should be provided to remove the fumes from the work area.

Disposal of scrap material presents no special problems, and may be accomplished by landfill or by incineration by a properly operated incinerator. Disposal should comply with local, state, and federal regulations. Resin pellets can be a slipping hazard. Loose pellets should be swept up promptly to prevent falls.

For more detailed information on the safe handling and disposal of these resins, a Product Safety Bulletin and OSHA Material Safety Data Sheets can be obtained from the Regional Office serving you.

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, BMP26-2215
Lancaster Pike & Route 141
Wilmington, DE 19805 U.S.A.
Telephone +1 302-774-1161
Toll-free (USA) 800-628-6208 (prompt 6)
Fax +1-302-355-4056

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>

The data listed here fall within the normal range of properties, but they should not be used to establish specification limits nor used

CAUTION: Do not use DuPont materials in medical applications involving implantations in the human body or contact with internal body

alone as the basis of design. The DuPont Company assumes no obligations or liability for any advice furnished or for any results obtained with respect to this information. All such advice is given and accepted at the buyer's risk. The disclosure of information herein is not a licence to operate under, or a recommendation to infringe, any patent of DuPont or others. Since DuPont cannot anticipate all variations in actual end-use conditions, DuPont makes no warranties and assumes no liability in connection with any use of this information.

fluids or tissues unless the material has been provided from DuPont under a written contract that is consistent with DuPont policy regarding 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.

Copyright © 2009 DuPont. The DuPont Oval Logo, DuPont™, The miracles of science™, and trademarks designated with "®" are registered trademarks or trademarks of E.I. du Pont de Nemours and Company or its affiliates. All rights reserved.

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