

DuPont™ Elvaloy® 4924

Elvaloy® resins Product Data Sheet

Description

Product Description DuPont™ Elvaloy® 4924 is an ethylene/vinyl acetate/carbon monoxide (E/VA/CO) copolymer.

Restrictions

Material Status • Commercial: Active
Availability • Globally

Typical Characteristics

Uses • Polymer Modifier

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

Characteristics / Benefits Elvaloy® 4924 copolymer deliver toughness and flexibility that is locked in to PVC. Elvaloy® 4924 copolymer will not migrate like liquid plasticizers.

Property	Typical Value	Units	ASTM Test Method
Elongation at Break	736	%	D638
Tg	-36	°C	D3418
Molecular Wt. Distr.	Normal		D3593

Applications Elvaloy® 4924 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 ()	1.0 g/cm ³	ASTM D792	ISO 1183
Melt Flow Rate (190°C/2.16kg)	15 g/10 min	ASTM D1238	ISO 1133
Thermal	Nominal Values	Test Method(s)	
Melting Point (DSC)	70°C (158°F)	ASTM D3418	ISO 3146

Processing Information

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

FDA Status Information Elvaloy® 4924 currently does not have any US-FDA clearance for direct or in-direct contact with food materials.

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, BMP26-22215
Lancaster Pike & Route 141
Wilmington, DE 19805 U.S.A.
Telephone +1 302-774-1161
Toll-free (USA) 800-628-6208, ext. 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>

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