

DuPont™ Elvaloy® 742

Elvaloy® resins Product Data Sheet

Description

Product Description DuPont™ Elvaloy® 742 is an ethylene/vinyl acetate/carbon monoxide (EVA/CO) copolymer designed for polymer modification.

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® 742 copolymer deliver toughness and flexibility that is locked in to PVC. Elvaloy® 742 copolymer will not migrate like liquid plasticizers.

Property	Typical Value	Units	ASTM Tes Method
Tensile Strength	4.2	MPa	D638
Elongation at Break	1200	%	D638
Hardness (Durometer)	55	Shore A	D2240
Tg	-32	°C	D3418
Molecular Wt. Distr.	Normal		D3593

Applications PVC Modification

Typical Properties

Physical	Nominal Values	Test Method(s)
* Density ()	1.02 g/cm ³	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)	45°C (113°F)	ASTM D3417 ISO 3146

Processing Information

General

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

FDA Status Information

DuPont™ ELVALOY® 742 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

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Fax: 1-302-355-4013

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