



Dow Packaging & Specialty Plastics

Product Data Sheet

ELVALOY™ 741

Copolymer

General Information

Product Description	ELVALOY™ 741 an ethylene/vinyl acetate/carbon monoxide (EVA/CO) copolymer.
Status	
Material Status	Commercial: Active
Other Restrictions	Dow 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 Dow 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. Tensile Strength ----- 5.9 MPa ----- ASTM D638 Elongation @ Break ----- 950% ----- ASTM D638 Durometer Hardness ----- 70 Shore A ----- ASTM D2240 Molecular Weight Distribution ----- Normal ----- ASTM 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/cm ³	ASTM D792	ISO 1183
*Melt Flow Index (190°C/2.16kg)	35 g/10 min	ASTM D1238	ISO 1133
Thermal	Nominal Values	Test Method(s)	
*Melting Point(DSC)	66 °C (150.8 °F)	ASTM D3418	ISO 3146
*Glass Transition Temperature (DSC)	-32 °C (-25.6 °F)	ASTM D3418	

Processing Information

*Maximum Processing Temperature	240 °C (464 °F)
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FDA Status Information	ELVALOY™ 741 resin 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.
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Regulatory Information

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

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

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Any and all medical application use of Dow materials, whether a device, a component, or any type of primary or secondary packaging of a medically related object or substance, needs to be reviewed and approved by Dow before any Dow material can be tested in such application.

Dow requests that customers considering use of Dow products in medical applications notify Dow so that appropriate assessments may be conducted. Dow does not endorse or claim suitability of its products for specific medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that the Dow product is safe, lawful, and technically suitable for the intended use. **DOW MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE SUITABILITY OF ANY DOW PRODUCT FOR USE IN MEDICAL APPLICATIONS.**

For further information contact your Dow sales or technical representative to request a Medical Application Review Request Form.

Additional details of Dow's Medical Applications Policy are available at:

<https://www.dow.com/en-us/support/product-safety.html>

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Harmful Applications Policy

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For additional information, not covered by the content of this document, contact us via our web site

http://www.dow.com/products_services

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P&SP Disclaimer

Additional Information

To contact Dow via Toll-Free or Local Toll phone numbers in specific countries, please see the following webpage:

<https://www.dow.com/en-us/support/contact-representative.html>

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