

DuPont™ Elvaloy® AC 2615

Elvaloy® AC resins Product Data Sheet

Description

Product Description Elvaloy® AC 2615 is a copolymer of ethylene and ethyl acrylate. It is available in pellet form for use in conventional extrusion equipment designed to process polyethylene type resins.

Restrictions

Material Status • Commercial: Active

Typical Characteristics

Composition 15 % By Weight Ethyl Acrylate comonomer content

Typical Properties

Physical	Nominal Values	Test Method(s)	
* Density ()	0.93 g/cm ³	ASTM D792	ISO 1183
* Melt Flow Rate (190°C/2.16kg)	6 g/10 min	ASTM D1238	ISO 1133
Thermal	Nominal Values	Test Method(s)	
* Melting Point (DSC)	97°C (207°F)	ASTM D3418	ISO 3146
Vicat Softening Point ()	58°C (136°F)	ASTM D1525	ISO 306

Processing Information

General

* Maximum Processing Temperature 310°C (590°F)

General Processing Information Elvaloy® AC 2615 is normally processed at melt temperatures ranging from 235°C - 310°C (455°F - 590°F) in extrusion coating or cast film equipment. A typical extrusion coating extruder temperature profile is given below. Actual processing temperatures will be determined by either the specific equipment or one of the other polymers in a coextrusion. Elvaloy® AC 2615 can also be used in cast extrusions and coextrusions. It is easily processed on standard equipment used for low density polyethylene.

Extrusion Coating/Lamination Processing

Nominal Values

Extrusion Coating / Lamination Processing A suggested extrusion set temperature profile

Feed Zone 185°C (365°F)

Second Zone 235°C (455°F)

Third Zone	260°C (500°F)
Fourth Zone	285°C (545°F)
Fifth Zone	285°C (545°F)
Adapter Zone	285°C (545°F)
Die Zone	285°C (545°F)

FDA Status Information

ELVALOY® AC 2615 Acrylate Copolymer Resin complies with Food and Drug Administration Regulation 21 CFR 177.1320(a) - - Ethylene-ethyl acrylate copolymer resins, subject to the limitations and requirements therein. This Regulation describes polymers that may be used in contact with food, except for holding food during cooking, subject to the blend and finished food-contact article meeting the extractive limitations, as shown in paragraph (c)(2) of the Regulation. This resin must be blended with polyethylene or with one or more olefin polymers complying with Food and Drug Administration Regulation 21 CFR 177.1520, or used in a coating complying with 21 CFR 175.300 or 21 CFR 176.170 in such proportions that the ethyl acrylate content of the blend or finished coating does not exceed 8 percent by weight, in accordance with paragraph (b) of 21 CFR 177.1320.

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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

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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

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

DuPont do Brasil, S.A.
Alameda Itapecuru, 506

06454-080 Barueri, SP Brasil
Telephone: +55 11 4166 8000
Fax: +55 11 4166 8736

<http://elvaloy.dupont.com>

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