

DuPont™ Elvaloy® AC 1125

Elvaloy® AC resins Product Data Sheet

**Description**

**Product Description** Elvaloy® AC 1125 is a copolymer of ethylene and methyl 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** 25 % By Weight Methyl Acrylate comonomer content

**Typical Properties**

Physical	Nominal Values	Test Method(s)	
* Density ( )	0.944 g/cm <sup>3</sup>	ASTM D792	ISO 1183
* Melt Flow Rate (190°C/2.16kg)	0.5 g/10 min	ASTM D1238	ISO 1133
Thermal	Nominal Values	Test Method(s)	
* Melting Point (DSC)	90°C (194°F)	ASTM D3418	ISO 3146
Vicat Softening Point ( )	48°C (118°F)	ASTM D1525	ISO 306

**Processing Information**

**General**

\* Maximum Processing Temperature 310°C (590°F)  
**General Processing Information** Elvaloy® AC 1125 is normally processed at melt temperatures ranging from 160°C - 235°C (320°F - 455°F) in blown film or cast film equipment. A typical blown film 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 1125 can also be used in cast extrusions and coextrusions. It is easily processed on standard equipment used for low density polyethylene.

Blown Film Processing	Nominal Values
Blown Film Processing Information	A suggested extrusion set temperature profile is shown below.
Feed Zone	135°C (275°F)
Second Zone	160°C (320°F)
Third Zone	185°C (365°F)
Fourth Zone	185°C (365°F)

Fifth Zone	185°C (365°F)
Adapter Zone	185°C (365°F)
Die Zone	185°C (365°F)

#### FDA Status Information

ELVALOY® 1125AC Acrylate Copolymer 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., 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:

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*This data sheet is effective as of 08/08/2010 12:22:07 PM and supersedes all previous versions.*