

DuPont™ Elvaloy® AC 2618

Elvaloy® AC resins Product Data Sheet

**Description**

**Product Description** Elvaloy® AC 2618 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** 18% By Weight Ethyl Acrylate

**Typical Properties**

Physical	Nominal Values	Test Method(s)	
Density ( )	0.93 g/cm <sup>3</sup>	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)	95°C (203°F)	ASTM D3418	ISO 3146
Vicat Softening Point ( )	56°C (133°F)	ASTM D1525	ISO 306

**Processing Information**

**General**

**Maximum Processing Temperature** 310°C (590°F)  
**General Processing Information** Elvaloy® AC 2618 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 2618 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**

<b>Extrusion Processing Information</b>	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 2618 resin complies with the U. S. Food and Drug Administration regulation 21 CFR177.1320; Ethylene Ethyl Acrylate copolymers, for use in contact with food, except for holding food during cooking. These EEA resins must be blended with olefin polymers complying with 21 CFR 177.1520 in such proportions that the ethyl acrylate content of the blend does not exceed 8 percent by weight. Migration limits must also be complied as specified in paragraph (c)(2).

#### Regulatory Information

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

#### Safety & Handling

Elvaloy® AC resins as supplied by DuPont are not considered hazardous materials. As with any hot material, care should be taken to protect the hands and other exposed parts of the body when handling molten polymer. At recommended processing temperatures, small amounts of fumes may evolve from the resins. When resins are overheated, more extensive decomposition may occur. Adequate ventilation should be provided to remove fumes from the work area. Disposal of scrap presents no special problems and can be by landfill or incineration in 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 DuPont resins, a Material Safety Data Sheet can be obtained from the DuPont Packaging and Industrial Polymers website or by contacting your sales 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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*The data listed here fall within the normal range of properties, but they should not be used to establish specification limits nor used alone as the basis of design. The DuPont Company assumes no*

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