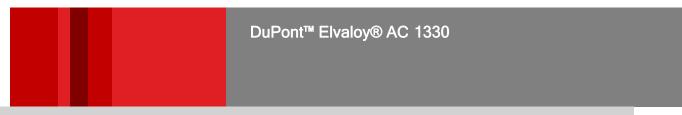
DuPont Packaging & Industrial Polymers





Elvaloy® AC resins Product Data Sheet

Descrip	

Product Description Elvaloy® AC 1330 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 30% By Weight Methyl Acrylate

Features Contains Slip additive.

Typical Properties

Test Method(s) **Physical Nominal Values**

0.95 g/cm³ ASTM D792 Density () ISO 1183 Melt Flow Rate (190°C/2.16kg) 3 g/10 min **ASTM D1238**

Nominal Values Thermal Test Method(s)

Melting Point (DSC) 85°C (185°F) **ASTM D3418** ISO 3146

Processing Information

General

Maximum Processing Temperature 310°C (590°F)

General Processing Information Elvaloy® AC 1330 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 1330 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) ISO 1133

Adapter Zone 185°C (365°F)

Die Zone 185°C (365°F)

FDA Status Information

Elvaloy® AC 1330 resin does not currently comply with a U.S Food and Drug Administration regulation for use in direct contact with food.

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:

Americas

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This data sheet is effective as of 05/05/2009 11:20:46 AM and supersedes all previous versions.