

## DuPont™ Elvaloy® AC 1330

## Elvaloy® AC resins Product Data Sheet

## Description

## 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

## Physical

## Nominal Values

## Test Method(s)

Density ( )

0.95 g/cm<sup>3</sup>

ASTM D792

ISO 1183

Melt Flow Rate (190°C/2.16kg)

3 g/10 min

ASTM D1238

ISO 1133

## Thermal

## Nominal Values

## 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)

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

<b>FDA Status Information</b>	Elvaloy® AC 1330 resin does not currently comply with a U.S Food and Drug Administration regulation for use in direct contact with food.
<b>Regulatory Information</b>	For information on regulatory compliance outside of the U.S., consult your local DuPont representative.
<b>Safety &amp; Handling</b>	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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