



Dow Packaging & Specialty Plastics

Product Data Sheet

ELVALOY™ AC 1330

Acrylate Copolymer

General Information

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.

Status

Material Status Commercial: Active

Typical Characteristics

Composition 30% By Weight Methyl Acrylate comonomer content

Features Contains Slip additive.

Typical Properties

Physical	Nominal Values	Test Method(s)	
*Density ()	0.95 g/cm ³	ASTM D792	ISO 1183
*Melt Flow Index (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

*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 Nominal Values

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™ AC 1330 Acrylate Copolymer Resin complies with Food & 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.

ELVALOY™ AC 1330 Acrylate Copolymer Resin complies with Food & Drug Administration Regulation 21 CFR 176.180 -- Components of paper and paperboard in contact with dry food, subject to the limitations and requirements therein. This Regulation describes substances that may be used as components of the uncoated and coated food-contact surface of paper and paperboard in contact with dry food (Food Type VIII, identified in 21 CFR 176.170(c) Table 1).

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Regulatory Information

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

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http://www.dow.com/products_services

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To contact Dow via Toll-Free or Local Toll phone numbers in specific countries, please see the following webpage:
<https://www.dow.com/en-us/support/contact-representative.html>

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