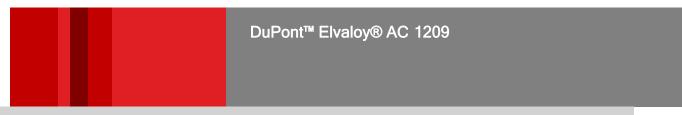
DuPont Packaging & Industrial Polymers





Elvaloy® AC resins Product Data Sheet

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Product Description Elvaloy® AC 1209 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 9 % By Weight Methyl Acrylate comonomer content

Typical Properties

Physical Nominal Values Test Method(s) ASTM D792 * Density () 0.927 g/cm³ ISO 1183 * Melt Flow Rate (190°C/2.16kg) **ASTM D1238** 2 g/10 min ISO 1133 Thermal **Nominal Values** Test Method(s) * Melting Point (DSC) 101°C (214°F) **ASTM D3418** ISO 3146 ISO 306 Vicat Softening Point 70°C (158°F) **ASTM D1525**

Processing Information

General

* Maximum Processing Temperature 310°C (590°F)

General Processing Information Elvaloy® AC 1209 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 1209 can also be used in cast extrusions and coextrusions. It is easily processed on standard equipment used for low density polyethylene.

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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® AC 1209 Acrylate Copolymer Resin complies with Food and Drug Administration Regulation 21 CFR 177.1340(a) - - Ethylene-methyl acrylate copolymer resins, subject to the limitations and requirements therein. This Regulation describes polymers that may be used in contact with food, subject to the finished food-contact article meeting the extractive limitations under the intended conditions of use, as shown in paragraph (b) of the Regulation.

The information and certifications provided herein are based on data we believe to be reliable, to the best of our knowledge. The information and certifications apply only to the specific material designated herein as sold by DuPont and do not apply to use in any process or in combination with any other material. They are provided at the request of and without charge to our customers. Accordingly, DuPont cannot guarantee or warrant such certifications or information and assumes no liability for

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

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This data sheet is effective as of 08/08/2010 12:27:49 PM and supersedes all previous versions.