Elvaloy® AC 12024S 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.

Material Status
- Commercial: Active

Composition
- 24 % By Weight Methyl Acrylate comonomer content

Features
- Contains Antioxidant additives.

**Physical Properties**

- **Density (ρ)**
  - Nominal Values: 0.944 g/cm³
  - Test Method(s): ASTM D792, ISO 1183

- **Melt Flow Rate (190°C/2.16kg)**
  - Nominal Values: 20 g/10 min
  - Test Method(s): ASTM D1238, ISO 1133

**Thermal Properties**

- **Melting Point (DSC)**
  - Nominal Values: 88°C (190°F)
  - Test Method(s): ASTM D3418, ISO 3146

**Processing Information**

**General**
- **Maximum Processing Temperature**: 310°C (590°F)

Elvaloy® AC 12024S is normally processed at melt temperatures ranging from 210°C - 260°C (410°F - 500°F) in extrusion coating or cast film equipment. A suggested 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 12024S can also be used in cast extrusions and coextrusions. It is easily processed on standard equipment used for low density polyethylene.

**Extrusion Coating/Laminate Processing**

- **Feed Zone**: 160°C (320°F)
- **Second Zone**: 210°C (410°F)
- **Third Zone**: 235°C (455°F)
ELVALOY® AC 12024S 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.

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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

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This data sheet is effective as of 08/08/2010 12:24:38 PM and supersedes all previous versions.