



## Dow Packaging & Specialty Plastics

### Product Data Sheet

#### ELVAX™ 240W

#### Ethylene Vinyl Acetate Copolymer

##### General Information

**Product Description** ELVAX™ 240W is an ethylene-vinyl acetate copolymer resin for use in industrial applications. This resin is supplied in pellet form and contains an amide additive to improve pellet handling.

##### Status

**Material Status** Commercial: Active

##### Typical Characteristics

**Composition** 28% By Weight Vinyl Acetate comonomer content  
Contains amide type "W" additive to improve pellet handling.  
Thermal Stabilizer: BHT antioxidant

**Applications** ELVAX™ resins can be used in a variety of applications involving molding, compounding, extrusion, adhesives, sealants, and wax blends.

##### Typical Properties

| Physical                         | Nominal Values          | Test Method(s) |          |
|----------------------------------|-------------------------|----------------|----------|
| *Density ( )                     | 0.951 g/cm <sup>3</sup> | ASTM D792      | ISO 1183 |
| *Melt Flow Index ( 190°C/2.16g ) | 43 g/10 min             | ASTM D1238     | ISO 1133 |
| Thermal                          | Nominal Values          | Test Method(s) |          |
| *Melting Point( DSC )            | 74 °C ( 165.2 °F )      | ASTM D3418     | ISO 3146 |
| Vicat Softening Point ( )        | 40 °C ( 104 °F )        | ASTM D1525     | ISO 306  |

##### Processing Information

\*Maximum Processing Temperature 235 °C ( 455 °F )

**General Processing Information** ELVAX™ resins can be processed by conventional thermoplastic processing techniques, including injection molding, structural foam molding, sheet and shape extrusion, blow molding and wire coating. They can also be processed using conventional rubber processing techniques such as Banbury, two-roll milling and compression molding.

ELVAX™ can be used in conventional extrusion equipment designed to process polyethylene resins. However, corrosion-protected barrels, screws, adapters, and dies are recommended, since, at sustained melt temperatures above 455°F (235°C), ethylene vinyl acetate (EVA) resins may thermally degrade and release corrosive by-products.

##### FDA Status Information

ELVAX™ 240W resin complies with Food and Drug Administration Regulation 21 CFR 177.1350(a)(1) - - Ethylene-vinyl acetate copolymers, 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)(1) of

