ELVAX™ 40W REN

Ethylene Vinyl Acetate Copolymer

General Information

Product Description	ELVAX™ 40W REN 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	
Typical Characteristics	
Composition	40% 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 ( )	0.965 g/cm³	ASTM D792	ISO 1183
*Melt Flow Index (190°C/2.16kg)	52 g/10 min	ASTM D1238	ISO 1133

Thermal	Nominal Values	Test Method(s)	
*Melting Point (DSC)	47 °C (116.6 °F)	ASTM D3418	ISO 3146
Freezing Point (DSC)	27 °C (80.6 °F)	ASTM D3418	ISO 3146

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™ 40W REN 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 the Regulation.