Dow Packaging & Specialty Plastics

Product Data Sheet

ELVAX™ 4260

Ethylene Vinyl Acetate Copolymer

General Information

Product Description	ELVAX™ 4260 is an ethylene-vinyl acetate / acid terpolymer resin for use in industrial applications.

Status

Material Status	Commercial: Active

Typical Characteristics

Composition	28% By Weight Vinyl Acetate comonomer content Also contains 1 wt% Methacrylic Acid Thermal Stabilizer: BHT antioxidant
Characteristics / Benefits	High molecular weight resin for use in hot melt systems where improved adhesion to polar, nonporous substrates is required. In coatings, provides superior hot tack, improved grease resistance, and optimum barrier properties.
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 ( )	0.955 g/cm³	ASTM D792	ISO 1183
*Melt Flow Index (190°C/2.16kg)	6 g/10 min	ASTM D1238	ISO 1133

Thermal	Nominal Values	Test Method(s)	
*Melting Point (DSC)	72 °C (161.6 °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 455F (235°C), ethylene vinyl acetate (EVA) resins may thermally degrade and release corrosive by-products.
FDA Status Information	ELVAX™ 4260 resin complies with Food and Drug Administration Regulation 21 CFR 177.1330(a) - - Ionomeric 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 (c) of the Regulation.