



Dow Packaging & Specialty Plastics

Product Data Sheet

ELVAX™ 4031WLG

Ethylene Vinyl Acetate Copolymer

General Information

Product Description ELVAX™ 4031WLG (Low Gel) is an ethylene-vinyl acetate copolymer resin for use in industrial applications. This resin is supplied in pellet form and contains a "W" amide additive to improve pellet handling.

Status

Material Status Limited Issue

Typical Characteristics

Composition 40% By Weight Vinyl Acetate comonomer content
Contains a "W" amide additive to improve pellet handling.
Thermal Stabilizer: BHT antioxidant

Features Low Gel

Applications ELVAX™ resins can be used in a variety of applications involving molding, compounding, extrusion, adhesives, sealants, and wax blends. For additional information and properties associated with specific applications, please refer to the Grade Selector Guides found on the ELVAX™ website for industrial applications.

Typical Properties

Physical	Nominal Values	Test Method(s)	
*Density ()	0.965 g/cm ³	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.

