



ARIHANT CHEMICAL CORPORATION & J.J ENTERPRISE

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TECHNICAL DATA SHEET:- ELVAX® 40W

DuPont Packaging & Industrial Polymers



DuPont™ Elvax® 40W

Elvax® resins Product Data Sheet

Product Description

DuPont™ Elvax® 40W 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.

Material Status

- Commercial: Active

Availability

- Globally

Composition

40% By Weight VinylAcetate
 Contains a "W" amide 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. For additional information and properties associated with specific applications, please refer to the Grade Selector Guides found on the Elvax® website for industrial applications. <http://www.dupont.com/industrial-polymers/elvax/index.html>.

Physical

Density ()

Nominal Values0.965 g/cm³**Test Method(s)**

ASTM D792 ISO 1183

Melt Index (190°C/2.16kg)

52 g/10 min

ASTM D1238 ISO 1133

Thermal

Melting Point (DSC)

Nominal Values

47°C (117°F)

Test Method(s)

ASTM D3418 ISO 3146

Freezing Point (DSC)

27°C (81°F)

ASTM D3418

General

Maximum Processing Temperature 230°C (446°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 Ban bury, 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 446°F (230°C), ethylene vinyl acetate (EVA) resins may thermally degrade and release corrosive by-products.

FDA Status Information

Elvax® 40W EVA 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.

Safety & Handling

A Product Safety Bulletin, Material Safety Data Sheet, and more detailed information on compounding and processing Elvax® resins for specific applications are available from your DuPont Packaging and Industrial Polymers representative.

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