

# Elvax® 450

Ethylene Vinyl Acetate Copolymer  
DuPont Packaging & Industrial Polymers

Message:

DuPont™ Elvax® 450 is an ethylene-vinyl acetate copolymer resin for use in industrial applications.

Composition

18 % By Weight Vinyl Acetate comonomer content

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://www2.dupont.com/Elvax/en\\_US/tech\\_info/index.html](http://www2.dupont.com/Elvax/en_US/tech_info/index.html)

General Information	
Additive	Antioxidant Heat Stabilizer
Features	Antioxidant Copolymer Food Contact Acceptable Heat Stabilized
Uses	Adhesives Blending Compounding Industrial Applications Sealants Wire Jacketing
Agency Ratings	FDA 21 CFR 177.1350(a)(1)
Forms	Pellets
Processing Method	Blow Molding Compounding Compression Molding Extrusion Foam Processing Injection Molding Sheet Extrusion Structural Foam Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.941	g/cm <sup>3</sup>	ASTM D792, ISO 1183

Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238, ISO 1133
Vinyl Acetate Content	18.0	wt%	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	61.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	86.0	°C	ASTM D3418, ISO 3146
Injection	Nominal Value	Unit	
Processing (Melt) Temp	< 230	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	< 230	°C	

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#### Recommended distributors for this material

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