

Elvax® 3180

Ethylene Vinyl Acetate Copolymer
DuPont Packaging & Industrial Polymers

Message:

DuPont™ Elvax® 3180 is an extrudable ethylene-vinyl acetate copolymer resin available in pellet form for use in conventional extrusion equipment designed to process polyethylene resins.

Composition

28 % By Weight Vinyl Acetate comonomer content

Thermal Stabilizer: BHT antioxidant

Applications

This resin is designed to provide a low temperature heat seal to itself or many other materials commonly used in flexible packaging applications. The melt properties of this resin allow it to be processed on blown or cast and cast coextrusion film equipment over a wide range of line speeds and film thicknesses. It can also be coextruded with a variety of other polymers. This resin is typically used as a low temperature seal layer in coextruded films.

General Information			
Additive	Antioxidant		
	Heat Stabilizer		
Features	Antioxidant		
	Copolymer		
	Food Contact Acceptable		
	Good Flexibility		
	Good Heat Seal		
	Heat Stabilized		
	Low Temperature Heat Sealability		
Uses	Cast Film		
	Film		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1350(a)(1)		
Forms	Pellets		
Processing Method	Blown Film		
	Cast Film		
	Coextruded Film		
	Coextrusion		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	25	g/10 min	ASTM D1238, ISO 1133
Vinyl Acetate Content	28.0	wt%	

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	43.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	70.0	°C	ASTM D3418, ISO 3146
Freezing Point ¹			
--	45	°C	ISO 3146
--	45	°C	ASTM D3418
Extrusion	Nominal Value	Unit	
Melt Temperature	< 230	°C	
NOTE			
1.	DSC		

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