

Elvax® 3170

Ethylene Vinyl Acetate Copolymer
DuPont Packaging & Industrial Polymers

Message:

DuPont™ Elvax® 3170 is an extrudable ethylene-vinyl acetate copolymer resin available in pellet form for use in conventional extrusion equipment designed to process polyethylene resins.

Composition

18 % 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 film equipment over a wide range of film thickness and blow-up ratios. It can also be co-extruded with a variety of other polymers. This resin is typically used as low temperature seal layer in co-extruded 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	Film		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1350(a)(1)		
Forms	Pellets		
Processing Method	Blown Film		
	Coextruded Film		
	Coextrusion		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ASTM D1238, ISO 1133
Vinyl Acetate Content	18.0	wt%	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	65.0	°C	ASTM D1525, ISO 306

Peak Melting Temperature	87.0	°C	ASTM D3418, ISO 3146
Freezing Point ¹			
--	68	°C	ASTM D3418
--	68	°C	ISO 3146
Extrusion	Nominal Value	Unit	
Melt Temperature	< 230	°C	
NOTE			
1.	DSC		

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