

DuPont™ Bynel® 30E753 Anhydride Modified Ethylene Vinyl Acetate

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Adhesive/Sealant Grade

Material Notes:

BYNEL® Series 3000 resins are anhydride-modified ethylene vinyl acetate polymers. They are available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene (PE) resins. Physical properties of BYNEL Series 3000 resins are typical of EVA resins with similar density and melt index values. BYNEL 30E753 is specifically designed to provide high adhesion to both metals and polyolefins when converted into film form and used as a thermal lamination film. It has a low coefficient of friction for easy film handling and provides strong bonds that fail cohesively. BYNEL 3000 series resins adhere to a wide variety of materials. They are most often used to adhere to PE, ionomers, EVA and polyamide. BYNEL 30E753 resin conforms with the Code of Federal Regulations, Title 21, Paragraph 175.105, covering the use of adhesive interlayers in composite packages for food use. This regulation describes adhesives which may be safely used as components of articles intended for use in packaging, transporting or holding food. This regulation requires that either (1) the adhesive is separated from the food by a functional barrier, or (2) the quantity of adhesive which contacts fatty or aqueous foods does not exceed the trace amounts at the seams or edges. Customers should satisfy themselves that the food contact material is serving as a functional barrier to the adhesive.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Bynel-30E753-Anhydride-Modified-Ethylene-Vinyl-Acetate.php

Physical Properties	Metric	English	Comments
Density	0.938 g/cc	0.0339 lb/in ³	ASTM D792, ISO 1183
Melt Flow	2.1 g/10 min	2.1 g/10 min	ASTM D1238, ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Thermal Properties	Metric	English	Comments
Melting Point	89.0 °C	192 °F	Freezing Point; ASTM D3418
	92.0 °C	198 °F	ASTM D3418, ISO 3146
Vicat Softening Point	65.0 °C	149 °F	ASTM D1525, ISO 306

Processing Properties	Metric	English	Comments
Processing Temperature	<= 235 °C	<= 455 °F	
Feed Temperature	135 °C	275 °F	Blown Film Coextrusion
Zone 2	160 °C	320 °F	Blown Film Coextrusion
Zone 3	185 °C	365 °F	Blown Film Coextrusion
Zone 4	185 °C	365 °F	Blown Film Coextrusion
Zone 5	185 °C	365 °F	Blown Film Coextrusion

Processing Properties	Metric	English	Comments
Adapting Temperature	185 °C	365 °F	Blown Film Coextrusion
Die Temperature	185 °C	365 °F	Blown Film Coextrusion
Melt Temperature	<= 235 °C	<= 455 °F	CoExtrusion with EVA Processing

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