

## DuPont Bynel® 3933 Anhydride-Modified Ethylene Vinyl Acetate Adhesive Resin (discontinued \*\*)

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

### Material Notes:

Bynel® Series 3900 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. Applications: Bynel® 3930 and Bynel® 3933 adhere to a wide variety of materials. They are most often used to adhere to EVA, EVOH, ionomer, polyamide, and PE. Bynel® 3930 and Bynel® 3933 differ primarily in their melt indices. They are both suitable for blown film applications, and Bynel® 3933 can also be used in cast film coextrusion. Both resins can be used to adhere EVOH to PE or ionomer or to adhere polyamide to PE when extra bond strength is required. Physical properties of Bynel® Series 3900 resins are typical of EVA resins with similar density and melt index values. The rheology characteristics of each grade are different, so one may be better suited than the other to a particular extrusion process. Information provided by DuPont Packaging Polymers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Bynel-3933-Anhydride-Modified-Ethylene-Vinyl-Acetate-Adhesive-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_DuPont-Bynel-3933-Anhydride-Modified-Ethylene-Vinyl-Acetate-Adhesive-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.936 g/cc	0.0338 lb/in <sup>3</sup>	ASTM D792
Viscosity	1.00e+6 cP @Shear Rate 50.0 1/s, Temperature 190 °C	1.00e+6 cP @Shear Rate 50.0 1/s, Temperature 374 °F	
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Thermal Properties	Metric	English	Comments
Melting Point	90.0 °C	194 °F	Freezing point via DSC/ASTM D3418
	102 °C	216 °F	Melting point via DSC/ASTM D3418
Vicat Softening Point	84.0 °C	183 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Processing Temperature	235 °C	455 °F	Extruder forward zone and adapter. Degrades above 238°C.
Nozzle Temperature	235 °C	455 °F	Die

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