

## DuPont Bynel® 50E631 Adhesive Resin (discontinued \*\*)

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

### Material Notes:

Bynel® Series 5000 resins are anhydride-modified polypropylene. Bynel® 50E631 is based on polypropylene homopolymer. They are available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polypropylene (PP) resins. Applications: Bynel® Series 5000 resins adhere to a variety of materials. They are most often used to adhere to PP, EVOH, and polyamide. These resins are designed for applications in which EVOH or polyamide is melt coextruded with PP or PP copolymers. Bynel® 50E631 can be used in coextrusion processes including blown film, extrusion blow molding, melt and solid phase thermoforming, and cast film or sheet. Physical properties of Bynel® Series 5000 resins are typical of polypropylene resins with similar density and melt index values. Information provided by DuPont™

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Bynel-50E631-Adhesive-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_DuPont-Bynel-50E631-Adhesive-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D792
Melt Flow	5.0 g/10 min	5.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Thermal Properties	Metric	English	Comments
Melting Point	111 °C	232 °F	Freezing Point, DSC; ASTM D3418
	159 °C	318 °F	DSC; ASTM D3418
Vicat Softening Point	136 °C	277 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	150 °C	302 °F	For high temperature coextrusions.
	150 °C	302 °F	For coextrusion with EVA or EVOH.
Middle Barrel Temperature	220 °C	428 °F	For coextrusion with EVA or EVOH.
	235 °C	455 °F	For high temperature coextrusions.
Front Barrel Temperature	235 °C	455 °F	For coextrusion with EVA or EVOH.
	250 °C	482 °F	For high temperature coextrusions.
Adapter Temperature	235 °C	455 °F	For coextrusion with EVA or EVOH.
	250 °C	482 °F	For high temperature coextrusions.

Die Temperature Processing Properties	235 °C Metric	455 °F English	For coextrusion with EVA or EVOH. Comments
	250 °C	482 °F	For high temperature coextrusions.

## Contact Songhan Plastic Technology Co.,Ltd.

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