

**DuPont Bynel® 21E553 Adhesive Resin (discontinued \*\*)**

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

**Material Notes:**

Bynel® Series 2100 resins are anhydride-modified ethylene acrylate resins. They contain a temperature stable ester that makes them functional in high temperature coextrusions. They are available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene (PE) resins. Applications: Bynel® Series 2100 resins adhere to a wide variety of materials. They are most often used to adhere to PE and PET. They also adhere to EVA, EVOH, polyamide, and PP. Bynel® 21E533 is designed for cast film or extrusion coating processes. The Bynel® Series 2100 resins can be used in a variety of coextrusion coating and laminating applications, e.g., as a tie layer for PET/PE sheet coextrusions replacing rigid PVC. Physical properties of Bynel® Series 2100 resins are typical of polyethylene/acrylate copolymer resins with similar density and melt index values. The rheology characteristics of each grade are different, so one may be better suited than the others for a particular extrusion process. Information provided by DuPont™

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Bynel-21E553-Adhesive-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_DuPont-Bynel-21E553-Adhesive-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in <sup>3</sup>	ASTM D792
Melt Flow	7.3 g/10 min @Load 2.16 kg, Temperature 190 °C	7.3 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Thermal Properties	Metric	English	Comments
Melting Point	64.0 °C	147 °F	Freezing Point, DSC; ASTM D3418
	83.0 °C	181 °F	DSC; ASTM D3418
Vicat Softening Point	50.0 °C	122 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	120 °C	248 °F	For high temperature coextrusions.
	120 °C	248 °F	For film or coating with EVA or EVOH.
Middle Barrel Temperature	220 °C	428 °F	For film or coating with EVA or EVOH.
	235 °C	455 °F	For high temperature coextrusions.
Front Barrel Temperature	235 °C	455 °F	For film or coating with EVA or EVOH.
	275 °C	527 °F	For high temperature coextrusions.
Adapter Temperature	235 °C	455 °F	For film or coating with EVA or EVOH.
	275 °C	527 °F	For high temperature coextrusions.

Processing Properties	Metric	English	Comments
	275 °C	527 °F	For high temperature coextrusions.

**Contact Songhan Plastic Technology Co.,Ltd.**

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