

DuPont Bynel® 4157 Adhesive Resin

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

Bynel® Series 4100 resins are anhydride-modified linear low-density polyethylene (LLDPE) resins. They are available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene (PE) resins. Applications: Bynel® Series 4100 resins adhere to a variety of materials. They are most often used to adhere to EVOH, polyamide, PE, ionomers, and ethylene copolymers. Bynel® Series 4100 resins can be used in coextrusion processes including: blown filmcast film/sheetblow molding melt and solid phase thermoforming sheet and tubing Bynel® 4157 can also be used in coextrusion coating. LLDPE resins are known for their temperature resistance, clarity and toughness. These physical properties make the Bynel® Series 4100 resins work well in applications such as: boil-in-bag structuresblow molded containers in which drop strength is importantbag-in-box filmsfilm where LLDPE is the heat seal layerInformation provided by DuPont™

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Bynel-4157-Adhesive-Resin.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in³	ASTM D792
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 190 °C	3.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Thermal Properties	Metric	English	Comments
Melting Point	112 °C	234 °F	Freezing Point, DSC; ASTM D3418
	127 °C	261 °F	DSC; ASTM D3418
Vicat Softening Point	93.0 °C	199 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	120 °C	248 °F	For high temperature coextrusions.
	120 °C	248 °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.

Processing Properties	Metric	English	Comments
	250 °C	482 °F	For high temperature coextrusions.

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