

DuPont Bynel® 2174 Anhydride-Modified Ethylene Acrylate Adhesive Resin (discontinued **)

Category : Polymer , Thermoplastic , Ethylene Methyl Acrylate , Ethylene-Methyl Acrylate Copolymer, Coating Grade

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® 2169 and Bynel® 2174 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, PC, and PP. Bynel® 2169 is designed for cast film or extrusion coating processes. Bynel® 2174, which has a lower melt index than Bynel® 2169, is suitable for blown film and blow molding applications. The Bynel® 2100 Series 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 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-2174-Anhydride-Modified-Ethylene-Acrylate-Adhesive-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.931 g/cc	0.0336 lb/in ³	ASTM D792
Viscosity	900000 cP @Shear Rate 50.0 1/s, Temperature 190 °C	900000 cP @Shear Rate 50.0 1/s, Temperature 374 °F	estimated from log-log graph
Melt Flow	2.8 g/10 min @Load 2.16 kg, Temperature 190 °C	2.8 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Thermal Properties	Metric	English	Comments
Melting Point	60.0 °C	140 °F	Freezing point via DSC/ASTM D3418
	85.0 °C	185 °F	Melting point via DSC/ASTM D3418
Vicat Softening Point	60.0 °C	140 °F	ASTM D1525

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

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