

DuPont Bynel® 1123 Modified EVA Adhesive Resin

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

Material Notes:

Bynel® Series 1100 resins are 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® 1123 and 1124 are acid modified ethylene vinyl acetate polymers that differ only in their rheology. They adhere to a wide variety of materials. They are most often used to adhere to PE, ionomer, PET, EVA, PVC, PVDC, PS, HIPS, PC, and PP. Bynel® 1123 and 1124 can be used in coextrusion processes including: blown film cast film/sheet extrusion coating extrusion lamination Bynel® 11E554 and 11E573 are modified ethylene vinyl acetate polymers designed to be used as extrudable adhesive resins or sealing layers for lidding applications. It is most often used to adhere to PE, PP, PET, PS, and PS foam. Physical properties of Bynel® Series 1100 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 others 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-1123-Modified-EVA-Adhesive-Resin.php

Physical Properties	Metric	English	Comments
Density	0.946 g/cc	0.0342 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	6.4 g/10 min @Load 2.16 kg, Temperature 190 °C	6.4 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Thermal Properties	Metric	English	Comments
Melting Point	51.0 °C	124 °F	Freezing Point via DSC/ASTM D3418
	74.0 °C	165 °F	Upon Melting via DSC/ASTM D3418
Vicat Softening Point	50.0 °C	122 °F	ASTM D1525

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

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