

DuPont™ Bynel® 22E780 Modified Ethylene Acrylate

Category : Polymer , Thermoplastic , Adhesives, Sealants, and Coatings

Material Notes:

BYNEL® Series 2200 resins are modified ethylene acrylate resins. They contain a temperature stable ester which 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. BYNEL 22E780 resin conforms with the Code of Federal Regulations, Title 21, Paragraph 177.1340, covering use in contact with all types of food, subject to meeting the migration limits specified in the regulation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Bynel-22E780-Modified-Ethylene-Acrylate.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ASTM D792, ISO 1183
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238, ISO 1133

Thermal Properties	Metric	English	Comments
Melting Point	91.0 °C	196 °F	ASTM D3418, ISO 3146
Vicat Softening Point	48.0 °C	118 °F	ASTM D1525, ISO 306

Processing Properties	Metric	English	Comments
Processing Temperature	<= 310 °C	<= 590 °F	
Feed Temperature	160 °C	320 °F	Blown Film Coextrusion
	160 °C	320 °F	Cast Film/Sheet Processing
Zone 2	185 °C	365 °F	Blown Film Coextrusion
	185 °C	365 °F	Cast Film/Sheet Processing
Zone 3	210 °C	410 °F	Blown Film Coextrusion
	210 °C	410 °F	Cast Film/Sheet Processing
Zone 4	210 °C	410 °F	Blown Film Coextrusion
	235 °C	455 °F	Cast Film/Sheet Processing
Zone 5	210 °C	410 °F	Blown Film Coextrusion
	235 °C	455 °F	Cast Film/Sheet Processing
Adapter Temperature	210 °C	410 °F	Blown Film Coextrusion

Processing Properties	Metric	English	Comments
	235 °C	455 °F	Cast Film/Sheet Processing
Die Temperature	210 °C	410 °F	Blown Film Coextrusion
	235 °C	455 °F	Cast Film/Sheet Processing
Melt Temperature	210 - 235 °C	410 - 455 °F	CoExtrusion with EVOH Processing
	<= 310 °C	<= 590 °F	CoExtrusion with Nylon Processing

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