

Bynel® 2022

Ethylene Acrylic Acid Copolymer

DuPont Packaging & Industrial Polymers

Message:

BYNEL® Series 2000 resins are acid 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 2000 series resins adhere to a wide variety of materials. They are most often used to adhere to PE, EVA, Polyamide, ionomer, paper, aluminum foil, and printed films.

BYNEL 2022 is designed for low melt temperature extrusion or coextrusion coating / laminating applications.

General Information			
Features	Good adhesion		
Uses	Laminate		
	Coating application		
	Adhesive		
Agency Ratings	FDA 21 CFR 177.1330		
Forms	Particle		
Processing Method	Co-extrusion molding		
	Extrusion		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	35	g/10 min	ASTM D1238, ISO 1133

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	58.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	87.0	°C	ASTM D3418, ISO 3146
Freezing Point	62	°C	ASTM D3418

Additional Information			
The value listed as Melting Point, DSC, was tested in accordance with ASTM D3418. Freezing Point (DSC), ASTM D3418: 62°C			

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	135	°C
Cylinder Zone 2 Temp.	185	°C
Cylinder Zone 3 Temp.	235	°C
Cylinder Zone 4 Temp.	235	°C
Cylinder Zone 5 Temp.	235	°C
Adapter Temperature	235	°C
Melt Temperature	< 260	°C
Die Temperature	235	°C

Extrusion instructions

Processing conditions shown are for extrusion coating/lamination.

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