

Bynel® 3101

Ethylene Vinyl Acetate Copolymer

DuPont Packaging & Industrial Polymers

Message:

BYNEL® Series 3100 resins are acid/acrylate-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.

BYNEL 3100 series resins adhere to a wide variety of materials. They are most often used to adhere to PE, ionomers, EVA, and in some cases PVC, PS, HIPS, and PP.

General Information			
Features	Good adhesion		
Uses	Adhesive		
Agency Ratings	FDA 21 CFR 177.1350		
Forms	Particle		
Processing Method	Co-extrusion molding		
	Extrusion		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.943	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.2	g/10 min	ASTM D1238, ISO 1133

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	65.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	87.0	°C	ASTM D3418, ISO 3146
Freezing Point	69	°C	ASTM D3418

Additional Information			
The value listed as Melting Point, DSC, was tested in accordance with ASTM D3418.Freezing Point (DSC), ASTM D3418: 69°C			

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	110	°C
Cylinder Zone 2 Temp.	135	°C
Cylinder Zone 3 Temp.	160	°C
Cylinder Zone 4 Temp.	185	°C
Cylinder Zone 5 Temp.	185	°C
Adapter Temperature	185	°C
Melt Temperature	< 235	°C
Die Temperature	185	°C

Extrusion instructions			
Processing conditions shown are for blown film.Processing conditions for cast film/sheet:Zone 1: 135°CZone 2: 160°CZone 3: 185°CZone 4: 210°CZone 5: 235°CAdapter: 235°CDie: 235°C			

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