



Bynel® 1123

DuPont Packaging & Industrial Polymers - Ethylene Vinyl Acetate Copolymer

Sunday, November 3, 2019

General Information

Product Description

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.

BYNEL 1100 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

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Agency Ratings	• FDA 21 CFR 177.1350(a)(1)		
Forms	• Pellets		
Processing Method	• Coextrusion	• Extrusion	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.952		ASTM D792
Density	0.950	g/cm ³	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	6.7	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.7	g/10 min	ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	122	°F	ASTM D1525
Vicat Softening Temperature	122	°F	ISO 306
Peak Melting Temperature	165	°F	ASTM D3418
Melting Temperature (DSC)	165	°F	ISO 3146
Freezing Point			
--	124	°F	ASTM D3418
--	124	°F	ISO 3146

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	275	°F
Cylinder Zone 2 Temp.	320	°F
Cylinder Zone 3 Temp.	365	°F
Cylinder Zone 4 Temp.	410	°F
Cylinder Zone 5 Temp.	455	°F
Adapter Temperature	455	°F
Melt Temperature	< 455	°F
Die Temperature	455	°F

Extrusion Notes

Processing conditions shown are for cast film/sheet.

Notes

¹ Typical properties: these are not to be construed as specifications.