Bynel® 3861

Sunday, November 3, 2019

DuPont Packaging & Industrial Polymers - Ethylene Vinyl Acetate Copolymer

General Information

Product Description

BYNEL® Series 3800 resins are anhydride-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.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Agency Ratings	• FDA 21 CFR 175.105		
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/cm³	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	133	°F	ASTM D1525
Vicat Softening Temperature	133	°F	ISO 306
Peak Melting Temperature	176	°F	ASTM D3418
Melting Temperature (DSC)	176	°F	ISO 3146
Freezing Point			
--	136	°F	ASTM D3418
--	136	°F	ISO 3146

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	275	°F
Cylinder Zone 2 Temp.	365	°F
Cylinder Zone 3 Temp.	455	°F
Cylinder Zone 4 Temp.	455	°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 coextrusion with EVOH.

Notes

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