

Bynel® 3810

Ethylene Vinyl Acetate Copolymer
DuPont Packaging & Industrial Polymers

Message:

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.
BYNEL 3810 is most often used in coextrusion of PS or HIPS to EVOH in barrier sheet for thermoforming.

General Information			
Agency Ratings	FDA 21 CFR 175.105		
Forms	Particle		
Processing Method	Co-extrusion molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.980	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.6	g/10 min	ASTM D1238, ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	59.0	°C	ASTM D1525, ISO 306
Melting Temperature	75.0	°C	DSC, ISO 3146
Freezing Point	55	°C	ASTM D3418
Additional Information			
The value listed as Melting Point, DSC, was tested in accordance with ASTM D3418.Freezing Point (DSC), ASTM D3418: 55°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	< 235	°C	
Die Temperature	235	°C	
Extrusion instructions			
Processing conditions shown are for coextrusion with EVOH.			

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