



Bynel® 22E780

DuPont Packaging & Industrial Polymers - Ethylene Acrylate Copolymer

Sunday, November 3, 2019

General Information

Product Description

BYNEL® Series 2200 resins are 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 2200 series resins adhere to a wide variety of materials. They are most often used to adhere to PE, PP, PET and paper.

General

Material Status	• Experimental: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion		
Uses	• Adhesives		
Agency Ratings	• FDA 21 CFR 177.1340(a)		
Forms	• Pellets		
Processing Method	• Coextrusion	• Extrusion	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.942		ASTM D792
Density	0.940	g/cm ³	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	118	°F	ASTM D1525
Vicat Softening Temperature	118	°F	ISO 306
Peak Melting Temperature	196	°F	ASTM D3418
Melting Temperature (DSC)	196	°F	ISO 3146

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	320	°F
Cylinder Zone 2 Temp.	365	°F
Cylinder Zone 3 Temp.	410	°F
Cylinder Zone 4 Temp.	410	°F
Cylinder Zone 5 Temp.	410	°F
Adapter Temperature	410	°F
Melt Temperature	< 590	°F
Die Temperature	410	°F

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Extrusion Notes

Processing conditions shown are for blown film.

Processing conditions for cast film/sheet:

Zone 1: 160°C

Zone 2: 185°C

Zone 3: 210°C

Zone 4: 235°C

Zone 5: 235°C

Adapter: 235°C

Die: 235°C

Notes

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