

# Bynel® 3930

Ethylene Vinyl Acetate Copolymer  
DuPont Packaging & Industrial Polymers

Message:

BYNEL® Series 3900 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 3900 series resins are most often used to adhere to EVA, EVOH, ionomer, polyamide and PE.

General Information	
Features	Good adhesion
Uses	Adhesive
Agency Ratings	FDA 21 CFR 175.105
	FDA 21 CFR 177.1350
Forms	Particle
Processing Method	Co-extrusion molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm <sup>3</sup>	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.85	g/10 min	ASTM D1238, ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	82.0	°C	ASTM D1525, ISO 306
Melting Temperature	99.0	°C	DSC, ISO 3146
Freezing Point	88	°C	ASTM D3418

Additional Information
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The value listed as Melting Point, DSC, was tested in accordance with ASTM D3418.Freezing Point (DSC), ASTM D3418: 88°C

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	160	°C
Cylinder Zone 2 Temp.	185	°C
Cylinder Zone 3 Temp.	210	°C
Cylinder Zone 4 Temp.	210	°C
Cylinder Zone 5 Temp.	210	°C
Adapter Temperature	235	°C
Melt Temperature	< 235	°C
Die Temperature	235	°C

Extrusion instructions
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Processing conditions shown are for coextrusion with EVOH.Processing conditions for coextrusion with nylon:Zone 1: 160°CZone 2: 210°CZone 3: 235°CZone 4: 235°CZone 5: 235°CAdapter: 235°CDie: 235°C

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