

# Bynel® E418

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.

General Information	
Additive	slip agent
Features	smoothness
Agency Ratings	FDA 21 CFR 175.105
Forms	Particle
Processing Method	Co-extrusion molding Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm <sup>3</sup>	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	11	g/10 min	ASTM D1238, ISO 1133

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	42.0	°C	ASTM D1525, ISO 306
Melting Temperature (DSC)	74.0	°C	ASTM D3418, ISO 3146
Freezing Point			
--	48	°C	ISO 3146
--	48	°C	ASTM D3418

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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Recommended distributors for this material

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