

# Bynel® 50E806

Polypropylene  
DuPont Packaging & Industrial Polymers

Message:

BYNEL® Series 5000 resins are anhydride-modified polypropylene resins. They are available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polypropylene (PP) resins.

BYNEL 5000 series resins adhere to a variety of materials. They are most often used to adhere to PP, EVOH and polyamide. These resins are designed for applications in which EVOH or polyamide is melt coextruded with PP or PP copolymers.

BYNEL 50E806 can be utilized pure, or can also be blended into PP for creating adhesion to barrier resins such as polyamide or EVOH.

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.880	g/cm <sup>3</sup>	ASTM D792, ISO 1183

Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	25	g/10 min	ASTM D1238, ISO 1133
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Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	100	°C	ASTM D1525, ISO 306
Peak Melting Temperature	140	°C	ASTM D3418, ISO 3146
Freezing Point	97	°C	ASTM D3418

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	160	°C
Cylinder Zone 2 Temp.	210	°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	< 260	°C
Die Temperature	235	°C

Extrusion instructions
Processing conditions shown are for coextrusion with EVOH.Processing conditions for coextrusion with nylon:Zone 1: 160°CZone 2: 235°CZone 3: 260°CZone 4: 260°CZone 5: 260°CAdapter: 260°CDie: 260°C

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Recommended distributors for this material

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