

# Bynel® 39E660

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 176.170
	FDA 21 CFR 177.1350(a)(2)
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)	2.5	g/10 min	ASTM D1238, ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	72.0	°C	ASTM D1525, ISO 306
Melting Temperature (DSC)	95.0	°C	ASTM D3418, ISO 3146
Freezing Point			
--	74	°C	ISO 3146
--	74	°C	ASTM D3418

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

Processing conditions shown are for coextrusion with EVOH. Processing conditions for coextrusion with nylon: Zone 1: 160°C Zone 2: 210°C Zone 3: 235°C Zone 4: 235°C Zone 5: 235°C Adapter: 235°C Die: 235°C

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