

# Bynel® 41E755

Linear Low Density Polyethylene

DuPont Packaging & Industrial Polymers

## Message:

BYNEL® Series 4100 resins are anhydride-modified, linear low-density polyethylene (LLDPE) resins. All 4100 series resins are available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene (PE) resins.

BYNEL 41E755 is specifically designed to provide high adhesion to both metals and polyolefins when converted into film form and used as a thermal lamination film. It has a low coefficient of friction for easy film handling and provides strong bonds that fail cohesively.

General Information			
Features	Good Adhesion		
Uses	Adhesives		
Agency Ratings	FDA 21 CFR 175.105		
Forms	Pellets		
Processing Method	Coextrusion		
	Extrusion		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm <sup>3</sup>	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.2	g/10 min	ASTM D1238, ISO 1133

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	100	°C	ASTM D1525, ISO 306
Peak Melting Temperature	125	°C	ASTM D3418, ISO 3146
Freezing Point	109	°C	ASTM D3418

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	160	°C
Cylinder Zone 2 Temp.	185	°C
Cylinder Zone 3 Temp.	185	°C
Cylinder Zone 4 Temp.	185	°C
Cylinder Zone 5 Temp.	185	°C
Adapter Temperature	185	°C
Melt Temperature	< 250	°C
Die Temperature	185	°C

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