

Petrothene® NA985

Low Density Polyethylene
LyondellBasell Industries

Message:

PETROTHENE NA 985 is a series of ethylene vinyl acetate copolymer resins designed for heavy-duty applications produced by blown film extrusion. The NA 985 series exhibits high impact strength and good heat seal characteristics.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Heat Seal		
	High Impact Resistance		
Uses	Film		
Agency Ratings	FDA 21 CFR 177.1350		
Forms	Pellets		
Processing Method	Blown Film		
	Film Extrusion		

Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.25	g/10 min	ASTM D1238
Vinyl Acetate Content	1.5	wt%	

Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	
Secant Modulus			ASTM D882
1% Secant, MD : 51 µm	152	MPa	
1% Secant, TD : 51 µm	179	MPa	
Tensile Strength			ASTM D882
MD : Yield,51 µm	20.7	MPa	
TD : Yield,51 µm	19.3	MPa	
Tensile Elongation			ASTM D882
MD : Break, 51 µm	320	%	
TD : Break, 51 µm	500	%	
Dart Drop Impact (51 µm)	230	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 51 µm	190	g	
TD : 51 µm	240	g	

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	91.0	°C	ASTM D1525

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