

Petrothene® NA967000

Low Density Polyethylene

LyondellBasell Industries

Message:

Petrothene NA967000 is a low density polyethylene resin designed for blown film, general purpose and industrial packaging applications. NA967000 exhibits good processing characteristics and impact strength.

General Information	
Features	Food Contact Acceptable
	General Purpose
	Good Impact Resistance
	Good Processability
Uses	Film
	Industrial Applications
	Packaging
Agency Ratings	FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Blown Film
	Film Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	51		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	10.3	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	32	µm	
Secant Modulus			ASTM D882
1% Secant, MD : 32 µm, Blown Film	179	MPa	
1% Secant, TD : 32 µm, Blown Film	228	MPa	
Tensile Strength			ASTM D882
MD : Yield,32 µm, Blown Film	24.8	MPa	
TD : Yield,32 µm, Blown Film	17.9	MPa	
Tensile Elongation			ASTM D882
MD : Break, 32 µm,Blown Film	220	%	

TD : Break, 32 µm,Blown Film	520	%	
Dart Drop Impact (32 µm, Blown Film)	150	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 32 µm, Blown Film	390	g	
TD : 32 µm, Blown Film	100	g	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	90.0	°C	ASTM D1525
Additional Information	Nominal Value	Unit	Test Method
Notched LTB	1	°C	ASTM D746

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