

# Petrothene® NA952000

Low Density Polyethylene

LyondellBasell Industries

## Message:

Petrothene NA952000 is a low density polyethylene for use in both blow molding and injection molding applications. This resin exhibits excellent toughness, good softness and good dimensional stability. NA952000 is selected by customers for use in injection molding caps, closures, blow molding squeeze bottles and other specialty applications.

General Information			
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Toughness		
	Soft		
Uses	Blow Molding Applications		
	Bottles		
	Caps		
	Closures		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blow Molding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	49		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield <sup>1</sup>	10.3	MPa	
Break <sup>2</sup>	10.8	MPa	
Tensile Elongation <sup>3</sup> (Break)	650	%	ASTM D638
Flexural Modulus <sup>4</sup>			ASTM D790
1% Secant	241	MPa	
2% Secant	216	MPa	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-50.0	°C	ASTM D746
Vicat Softening Temperature	86.7	°C	ASTM D1525

NOTE	
1.	13 mm/min
2.	510 mm/min
3.	510 mm/min
4.	13 mm/min

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Recommended distributors for this material


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