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Petrothene® NA952000
Low Density Polyethylene
 LyondellBasell Industries [Web](#)



Prospector

Celebrating 25 Years

Product Description

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 recommended for injection molding caps, closures, blow molding squeeze bottles and other specialty applications.

General

Material Status	• Commercial: Active	
Literature ¹	• Technical Datasheet (English)	
Availability	• Asia Pacific • Europe	• North America • South America
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 ³	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 ²	1500	psi	
Break ³	1570	psi	
Tensile Elongation ³ (Break)	650	%	ASTM D638
Flexural Modulus ²			ASTM D790
1% Secant	35000	psi	
2% Secant	31400	psi	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-58.0	°F	ASTM D746
Vicat Softening Temperature	188	°F	ASTM D1525

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² 0.50 in/min

³ 20 in/min



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Revision History

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