

# Petrothene® NA940000 (Blow Molding)

Low Density Polyethylene

LyondellBasell Industries

## Message:

Petrothene NA940000 is a low density homopolymer resin selected by customers for use in blow molding applications. Excellent toughness, good clarity and processability are key attributes of NA940000. Typical customer applications include flexible containers, squeeze bottles and toys.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good Toughness		
	High Clarity		
Uses	Blow Molding Applications		
	Bottles		
	Containers		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.25	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	14.5	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Flexural Modulus	234	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	42.0	°C	ASTM D648
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	90.0	°C	ASTM D1525

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