

Petrothene® NA149000

Low Density Polyethylene

LyondellBasell Industries

Message:

PETROTHENE NA149000 resin exhibits an excellent balance of toughness and softness, with excellent dimensional stability. Typical applications include housewares, toys, containers, and novelty items.

General Information	
Features	Food Contact Acceptable Good Dimensional Stability Good Toughness
Uses	Containers Household Goods Sheet Toys
Agency Ratings	FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Injection Molding Sheet 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)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	11.0	MPa	ASTM D638
Tensile Elongation (Yield)	640	%	ASTM D638
Flexural Modulus - 1% Secant	198	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746

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