

# Petrothene® LRTR436

High Density Polyethylene

LyondellBasell Industries

## Message:

PETROTHENE LR TR436 exhibits an enhanced balance of stiffness and environmental stress crack resistance. Typical anticipated applications include bottles for personal care products, detergents, and household chemicals.

General Information			
Features	Rigid, good High ESCR (Stress Cracking Resistance) Compliance of Food Exposure		
Uses	Bottle		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.0	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Flexural Modulus - 1% Secant	1380	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-76.0	°C	ASTM D746
Vicat Softening Temperature	129	°C	ASTM D1525
Additional Information			

Tensile Impact, ASTM D1822: 128 ft-lb/in.

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## Recommended distributors for this material

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