

# Petrothene® LR763011X01

High Density Polyethylene

LyondellBasell Industries

## Message:

PETROTHENE LR 7630-11X01 exhibits an enhanced balance of stiffness and environmental stress crack resistance. Typical applications include bottles for bleach, detergents, and household chemicals. This resin contains synthetic antistat.

General Information			
Additive	Antistatic property		
Features	Rigid, good		
	High ESCR (Stress Cracking Resistance)		
	Antistatic property		
	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	0.951	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.35	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance	120	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.9	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Flexural Modulus - 1% Secant	1170	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-76.0	°C	ASTM D746
Vicat Softening Temperature	126	°C	ASTM D1525
Additional Information			
Tensile Impact, ASTM D1822: 158 ft-lb/in.			

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## Recommended distributors for this material

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