

Petrothene® LR763011

High Density Polyethylene

LyondellBasell Industries

Message:

Petrothene LR763011 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			
Features	Food Contact Acceptable		
	Good Stiffness		
	High ESCR (Stress Crack Resist.)		
Uses	Bottles		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.951	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.35	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal CO-630, F50)	55.0	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
Impact	Nominal Value	Unit	Test Method
Tensile Impact	84.3	J/cm	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	126	°C	ASTM D1525

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Recommended distributors for this material

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