

Petrothene® LT602901

High Density Polyethylene
LyondellBasell Industries

Message:

Petrothene LT602901 is a high density polyethylene sheet extrusion grade with excellent extrusion characteristics and low warpage. The resulting sheet exhibits good stiffness and impact properties.

General Information			
Features	Good Impact Resistance		
	Good Stiffness		
	Low Warpage		
Uses	Sheet		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	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 (Break)	30.3	MPa	ASTM D638
Tensile Elongation (Break)	1400	%	ASTM D638
Flexural Modulus - 1% Secant	1550	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact	53.9	J/cm	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	75.0	°C	ASTM D648
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	127	°C	ASTM D1525

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