

Petrothene® LT606932

High Density Polyethylene

LyondellBasell Industries

Message:

Petrothene LT606932 is a high density polyethylene sheet extrusion grade selected by customers because of its excellent extrusion characteristics and low warpage. The resulting sheet exhibits good stiffness and impact properties.

General Information			
Features	Low warpage		
	Rigid, good		
	Impact resistance, good		
	Compliance of Food Exposure		
Uses	Sheet		
Agency Ratings	FDA 21 CFR 175.1520		
Processing Method	Sheet extrusion molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.4	MPa	ASTM D638
Tensile Elongation (Break)	1200	%	ASTM D638
Flexural Modulus - 1% Secant	1570	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact	40.0	J/cm	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	73.0	°C	ASTM D648
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	127	°C	ASTM D1525

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