

## Technical Data Sheet

### *Petrothene* LT606932



High Density Polyethylene

#### Product Description

*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. Typical applications include cutting boards, architectural panels and thin sheet packaging.

<b>Application</b>	General Sheet Extrusion; Housewares; Structural Parts
<b>Market</b>	Rigid Packaging
<b>Processing Method</b>	Sheet and Profile Extrusion
<b>Attribute</b>	Good Color Stability; Good Processability

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
<b>Physical</b>					
Melt Flow Rate, (190 °C/2.16 kg)	0.70	g/10 min	0.70	g/10 min	ASTM D1238
Density, (23 °C)	0.960	g/cm <sup>3</sup>	0.960	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>					
Flexural Modulus, (1% Secant)	228000	psi	1570	MPa	ASTM D790
Tensile Strength at Yield	4410	psi	30.4	MPa	ASTM D638
Tensile Elongation at Break	1200	%	1200	%	ASTM D638
<b>Impact</b>					
Tensile Impact Strength	75	ft-lb/in <sup>2</sup>	158	kJ/m <sup>2</sup>	ASTM D1822
<b>Thermal</b>					
Vicat Softening Point	261	°F	127	°C	ASTM D1525
Low Temperature Brittleness, F <sub>50</sub>	<-105	°F	<-76	°C	ASTM D746
Deflection Temperature Under Load, (66 psi, Unannealed)	163	°F	73	°C	ASTM D648

## Notes

These are typical property values not to be construed as specification limits.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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