

## Technical Data Sheet

### *Petrothene* LT602902



High Density Polyethylene

#### Product Description

*Petrothene* LT602902 is a high density polyethylene sheet extrusion grade with excellent extrusion characteristics and low warpage. The resulting sheet exhibits good stiffness and impact properties. Typical applications include sheet for signage and packaging.

<b>Application</b>	General Sheet Extrusion; Housewares; Structural Parts
<b>Market</b>	Rigid Packaging
<b>Processing Method</b>	Extrusion Blow Molding; Sheet and Profile Extrusion
<b>Attribute</b>	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)	0.30	g/10 min	0.30	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)	225300	psi	1550	MPa	ASTM D790
Tensile Strength at Yield	4390	psi	30.3	MPa	ASTM D638
Tensile Elongation at Break	1400	%	1400	%	ASTM D638
<b>Impact</b>					
Tensile Impact Strength	101	ft-lb/in <sup>2</sup>	212	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)	167	°F	75	°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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