Technical Data Sheet

Petrothene LT602901

High Density Polyethylene

Product Description

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. Typical applications include sheet for signage and packaging.

Regulatory Status

For regulatory compliance information, see *Petrothene* LT602901 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Application	General Sheet Extrusion; Housewares; Structural Parts
Market	Rigid Packaging
Processing Method	Extrusion Blow Molding; Sheet and Profile Extrusion
Attribute	Good Processability

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
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/cm³	0.960	g/cm³	ASTM D1505
Mechanical					
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
Impact					
Tensile Impact Strength	101	ft-lb/in²	212	kJ/m²	ASTM D1822
Thermal					
Vicat Softening Point	261	°F	127	°C	ASTM D1525
Low Temperature Brittleness, F_{50}	<-105	°F	<-76	°C	ASTM D746
Deflection Temperature Under Load, (66 psi, Unannealed)	167	°F	75	°C	ASTM D648

Manufacturer website: https://www.lyondellbasell.com/en/

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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