

Petrothene

LT602901

High Density Polyethylene
Sheet Extrusion Grade

Melt Index: 0.30 Density: 0.960



Applications

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.

Regulatory Status

Petrothene LT602901 meets the requirements of the Food and Drug Administration regulation 21 CFR 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food..." Specific limitations or conditions of use may apply. Contact your Equistar product safety representative for more information.

Processing Techniques

While specific recommendations for processing LT602901 can only be made when the processing conditions, equipment and end use are known, typical stock temperatures range from 340 to 410°F.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	0.30	g/10 min	D1238
Density	0.960	g/cc	D1505
Tensile Strength @ Yield	4,390	psi	D638
Elongation @ Break	1,400	%	D638
Flexural Modulus (1% Secant)	225,300	psi	D790
Tensile Impact	101	ft-lb/in.	D1822
Heat Deflection Temperature @ 66psi	75	°C	D648
Low Temperature Brittleness, F ₅₀	<-76	°C	D746
Vicat Softening Point	127	°C	D1525

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