Petrothene

LM600500

High Density Polyethylene
Blow Molding Grade
Melt Index: 0.35 Density: 0.960+

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Applications

Petrothene LM600500 resin is selected by customers for use in water, milk and juice bottles. LM600500 exhibits excellent rigidity and good processability.

Regulatory Status

LM600500 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

Specific recommendations for processing LM600500 can only be made when the processing conditions, equipment and end use are known.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	0.35	g/10 min	D1238
Density	0.960+	g/cc	D1505
Tensile Strength @ Yield	4,400	psi	D638
Elongation @ Break	>600	%	D638
Flexural Modulus	220,000	psi	D790
Tensile Impact	100	ft-lb/in.	D1822
Low Temperature Brittleness, F_{50}	<-76	°C	D746
Heat Deflection Temperature @ 66 psi	78	°C	D648
Vicat Softening Point	125	°C	D1525
Hardness, Shore D	68		D2240

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

LyondellBasell markets this product through the following entities:

Equistar Chemicals, LP
Basell Sales & Marketing Company B.V.
Basell Asia Pacific Limited
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Users should review the applicable Material Safety Data Sheet before handling the product.

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