



Petrothene®

LM600700

High Density Polyethylene
Blow Molding Grade

Melt Index 0.80 Density 0.960+

Applications

PETROTHENE LM600700 resin exhibits very low taste and odor characteristics as well as good rigidity. Typical applications include water, milk and juice bottles.

Regulatory Status

LM600700 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 sales representative for more information.

Processing Techniques

Specific recommendations for processing LM600700 can be made only when the processing conditions, equipment and end use are known. For further suggestions, contact your Equistar sales representative.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	0.80	g/10 min	D 1238
Density	0.960 +	g/cc	D 1505
Tensile Strength @ Yield	4,600	psi	D 638
Elongation @ Break	>400	%	D 638
Flexural Modulus	225,000	psi	D 790
Tensile Impact	120	ft-lb/in.	D 1822
Low Temperature Brittleness, F ₅₀	<-76	°C	D 746
Heat Deflection Temperature @ 66 psi	82	°C	D 648
Vicat Softening Point	129	°C	D 1525
Hardness, Shore D	69		D 2240

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