

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 product safety representative for more information.

Processing Techniques

Specific recommendations for processing LM600700 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	0.80	g/10 min	D1238
Density	0.960+	g/cc	D1505
Tensile Strength @ Yield	4,600	psi	D638
Elongation @ Break	>400	%	D638
Flexural Modulus	225,000	psi	D790
Tensile Impact	120	ft-lb/in.	D1822
Low Temperature Brittleness, F ₅₀	<-76	°C	D746
Heat Deflection Temperature @ 66 psi	82	°C	D648
Vicat Softening Point	129	°C	D1525
Hardness, Shore D	69		D2240

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