

LyondellBasell Petrothene[®] LM600700 High Density Polyethylene (Blow Molding Grade)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

Material Notes:

ApplicationsPETROTHENE LM 6007-00 resin exhibits very low taste and odor characteristics as well as good rigidity. Typical applications include water, and milk and juice bottles.**Regulatory Status**LM 6007-00 meets the requirements of 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 TechniquesSpecific recommendations for processing LM 6007-00 can only be made when the processing conditions, equipment and end use are known. For further suggestions, please contact your Equistar sales representative.This product is from the former Equistar product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Petrothene-LM600700-High-Density-Polyethylene-Blow-Molding-Grade.php

Physical Properties	Metric	English	Comments
Density	>= 0.960 g/cc	>= 0.0347 lb/in ³	ASTM D1505
Melt Flow	0.80 g/10 min	0.80 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	69	69	ASTM D2240
Tensile Strength, Yield	31.7 MPa	4600 psi	ASTM D638
Elongation at Break	>= 400 %	>= 400 %	ASTM D638
Flexural Modulus	1.55 GPa	225 ksi	ASTM D790
Tensile Impact	64.1 J/cm	120 ft-lb/in	ASTM D1822

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	82.0 Â°C	180 Â°F	ASTM D648
Vicat Softening Point	129 Â°C	264 Â°F	ASTM D1525
Brittleness Temperature	<= -76.0 Â°C	<= -105 Â°F	F ₅₀ ; ASTM D 746

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