

LG Chemical LUTENE-H ME5000 HDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

Description: LUTENE-H ME5000 is mainly intended for injection molding of containers and bottle cap. It has good stress cracking resistance and high impact strength. Applications: Containers, dust bin, pails and bottle cap for mineral water CAS No. 9002-88-4 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUTENE-H-ME5000-HDPE.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.952 g/cc	0.952 g/cc	ASTM D1505
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 190 Â°C	5.0 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
Tensile Strength, Yield	26.5 MPa	3840 psi	ASTM D638
Elongation at Break	>= 500 %	>= 500 %	ASTM D638
Flexural Modulus	0.735 GPa	107 ksi	ASTM D790
Izod Impact, Notched	0.686 J/cm @Temperature 23.0 Â°C	1.29 ft-lb/in @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Crystallization Temperature	131 Â°C	268 Â°F	Melting; DSC
Vicat Softening Point	123 Â°C	253 Â°F	ASTM D1525

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