

LG Chemical LUTENE-H ME6000 HDPE

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

Material Notes:

Description: LUTENE-H ME6000 is mainly intended for injection molding of crates. It has excellent mechanical properties and high impact strength. Applications: Transport and stacking crates, bottle crates 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-ME6000-HDPE.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.961 g/cc	0.961 g/cc	ASTM D1505
Melt Flow	5.5 g/10 min @Load 2.16 kg, Temperature 190 Â°C	5.5 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
Tensile Strength, Yield	29.4 MPa	4270 psi	ASTM D638
Elongation at Break	>= 1000 %	>= 1000 %	ASTM D638
Flexural Modulus	1.08 GPa	156 ksi	ASTM D790
Izod Impact, Notched	0.785 J/cm @Temperature 23.0 Â°C	1.47 ft-lb/in @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Crystallization Temperature	130 Â°C	266 Â°F	Melting; DSC
Vicat Softening Point	125 Â°C	257 Â°F	ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 260 Â°C	428 - 500 Â°F	Resin, Injection Molding
Mold Temperature	10.0 - 60.0 Â°C	50.0 - 140 Â°F	Injection Molding
Back Pressure	0.500 - 15.0 MPa	72.5 - 2180 psi	Injection Molding

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