

LG Chemical LUTENE-H ME8000 HDPE

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

Material Notes:

Description: LUTENE-H ME8000 is mainly intended for injection molding of containers. It has good mechanical properties and high productivity. Applications: Silicone cartridge, containers, complicated parts, toys 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-ME8000-HDPE.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.957 g/cc	0.957 g/cc	ASTM D1505
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 190 °C	8.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
Tensile Strength, Yield	28.4 MPa	4120 psi	ASTM D638
Elongation at Break	>= 1000 %	>= 1000 %	ASTM D638
Flexural Modulus	1.03 GPa	149 ksi	ASTM D790
Izod Impact, Notched	0.588 J/cm @Temperature 23.0 °C	1.10 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Crystallization Temperature	134 °C	273 °F	Melting; DSC
Vicat Softening Point	125 °C	257 °F	ASTM D1525
Shrinkage	1.5 - 5.0 %	1.5 - 5.0 %	Depending on the processing conditions

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

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