

Polimeri Europa Eraclene® MQ 70 U High Density Polyethylene - Injection Molding

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

Eraclene MQ 70 U is a gas phase high density polyethylene resin (HDPE) with antioxidants, suitable for injection molding application. This grade has a narrow molecular weight distribution and a medium fluidity. It is ideal for injection molding applications. The polymer has high thermal stability during extrusion. Main Applications: Eraclene MQ 70 U is specifically designed to produce items with good mechanical properties: Light-weight crates, houseware. For its flowability, the resin can be used whenever high production rate is a key issue. Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Eraclene-MQ-70-U-High-Density-Polyethylene-Injection-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.952 g/cc	0.952 g/cc	ISO 1183
Melt Flow	11 g/10 min @Load 2.16 kg, Temperature 190 °C	11 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ISO 868/A
Tensile Strength at Break	15.0 MPa	2180 psi	ISO 527
Tensile Strength, Yield	25.0 MPa	3630 psi	ISO 527
Elongation at Break	300 %	300 %	ISO 527
Flexural Modulus	1.25 GPa	181 ksi	ISO 178
Izod Impact, Notched	0.650 J/cm	1.22 ft-lb/in	ISO 180/A

Thermal Properties	Metric	English	Comments
Melting Point	134 °C	273 °F	Internal method
Vicat Softening Point	125 °C @Load 1.00 kg	257 °F @Load 2.20 lb	ISO 306/A
Brittleness Temperature	<= -60.0 °C	<= -76.0 °F	ASTM D746

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