

## Polimeri Europa Eraclene® MQ 74 High Density Polyethylene - Injection Molding

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

### Material Notes:

Eraclene MQ 74 is a high density polyethylene resin (HDPE) with antioxidants, suitable for injection molding application. This resin is suggested in applications for which high creep, impact and stress cracking resistance are required. Eraclene MQ 74 is UV stabilized and is recommended for the production of items for outdoor exposure. Main Applications: Eraclene MQ 74 is suggested to produce items with good mechanical properties: Light-weight crates, houseware. For its flowability, the resin can be used whenever high production rate is required. Information provided by Polimeri Europa.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polimeri-Europa-Eraclene-MQ-74-High-Density-Polyethylene-Injection-Molding.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Eraclene-MQ-74-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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