

Polimeri Europa Eraclene® MM 74 High Density Polyethylene - Injection Molding

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

Material Notes:

Eraclene MM 74 is a high density polyethylene resin (HDPE) with antioxidants, suitable for injection molding application. Eraclene MM 74 is characterized by a good balance between rigidity and impact resistance. The resin is UV stabilized and is recommended for the production of items for outdoor exposure. Main Applications: Eraclene MM 74 is specifically designed for pails, lids for light-weight containers, agricultural containers, houseware and dust bins. Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Eraclene-MM-74-High-Density-Polyethylene-Injection-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.953 g/cc	0.953 g/cc	ISO 1183
Melt Flow	4.5 g/10 min	4.5 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	12 g/10 min	12 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ISO 868/A
Tensile Strength at Break	19.0 MPa	2760 psi	ISO 527
Tensile Strength, Yield	26.0 MPa	3770 psi	ISO 527
Elongation at Break	600 %	600 %	ISO 527
Flexural Modulus	1.20 GPa	174 ksi	ISO 178
Izod Impact, Notched	1.30 J/cm	2.44 ft-lb/in	ISO 180/A

Thermal Properties	Metric	English	Comments
Melting Point	134 °C	273 °F	Internal method
Vicat Softening Point	126 °C	259 °F	ISO 306/A
	@Load 1.00 kg	@Load 2.20 lb	
Brittleness Temperature	<= -60.0 °C	<= -76.0 °F	ASTM D746

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