

Polimeri Europa Eraclene® MM 84 High Density Polyethylene - Injection Molding

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

Material Notes:

Eraclene MM 84 is a high density polyethylene resin (HDPE) with antioxidants, suitable for injection molding application. Eraclene MM 84 is characterized by high rigidity and good impact resistance. The resin is UV stabilized and is recommended for the production of items for outdoor exposure. Main Applications: Eraclene MM 84 is specifically designed for pails and light-weight containers. Moreover, the product is suitable to manufacture dust bins and small industrial containers. Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Eraclene-MM-84-High-Density-Polyethylene-Injection-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.956 g/cc	0.956 g/cc	ISO 1183
Melt Flow	5.5 g/10 min	5.5 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	14 g/10 min	14 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	66	66	ISO 868/A
Tensile Strength at Break	20.0 MPa	2900 psi	ISO 527
Tensile Strength, Yield	28.0 MPa	4060 psi	ISO 527
Elongation at Break	550 %	550 %	ISO 527
Flexural Modulus	1.35 GPa	196 ksi	ISO 178
Izod Impact, Notched	1.10 J/cm	2.06 ft-lb/in	ISO 180/A

Thermal Properties	Metric	English	Comments
Melting Point	135 °C	275 °F	Internal method
Vicat Softening Point	127 °C	261 °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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