

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

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

Material Notes:

Eraclene MM 84 U is a gas phase high density polyethylene resin (HDPE) with antioxidants, suitable for injection molding application. Eraclene MM 84 U 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 U 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-U-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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