

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

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

Material Notes:

Eraclene MM 74 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. The polymer has high thermal stability during extrusion and good balance between rigidity and impact resistance. This grade is UV stabilized and it is suitable for the production of items for outdoor exposure. Main

Applications: Eraclene MM 74 U is an injection molding grade 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-U-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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