

Polimeri Europa Riblene® MR 10 Low Density Polyethylene - Injection Molding

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

Material Notes:

Riblene MR 10 is a high fluidity low density polyethylene resin (LDPE). Parts made with Riblene MR 10 are characterized by a high flexibility. Main Applications: Riblene MR 10 is suitable for injection molding and compound applications. Riblene MR 10 is recommended for large complex moldings, artificial flowers and low thickness articles. Because of its fluidity, the resin can be used as a base for masterbatches. Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Riblene-MR-10-Low-Density-Polyethylene-Injection-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.918 g/cc	0.918 g/cc	ISO 1183
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 190 °C	20 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	45	45	ISO 868/A
Tensile Strength, Yield	10.0 MPa	1450 psi	ISO 527
Flexural Modulus	0.120 GPa	17.4 ksi	ISO 178

Thermal Properties	Metric	English	Comments
Melting Point	107 °C	225 °F	Internal method
Vicat Softening Point	84.0 °C @Load 1.00 kg	183 °F @Load 2.20 lb	ISO 306/A
Brittleness Temperature	<= -20.0 °C	<= -4.00 °F	ASTM D746

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