

Polimeri Europa Flexirene® MR 50 U Linear Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Injection Molded

Material Notes:

Flexirene MR 50 U is a linear low density polyethylene (LLDPE), with antioxidants, suitable for injection molding application. Parts made with Flexirene MR 50 U are characterized by optimum rigidity.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Flexirene-MR-50-U-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.939 g/cc	0.939 g/cc	ISO 1183
Melt Flow	22 g/10 min	22 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	56	56	ISO 868/A
Tensile Strength at Break	15.0 MPa	2180 psi	ISO 527
Tensile Strength, Yield	15.0 MPa	2180 psi	ISO 527
Elongation at Break	>= 500 %	>= 500 %	ISO 527
Flexural Modulus	0.500 GPa	72.5 ksi	ISO 178

Thermal Properties	Metric	English	Comments
Melting Point	128 °C	262 °F	Internal method
Vicat Softening Point	112 °C	234 °F	ISO 306/A
	@Load 1.00 kg	@Load 2.20 lb	
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

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