

Polimeri Europa Flexirene® MS 20 U Linear Low Density Polyethylene

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

Material Notes:

Flexirene MS 20 U is a linear low density polyethylene (LLDPE), with antioxidants, suitable for injection molding application. Parts made with Flexirene MS 20 U are characterized by optimum low temperature properties.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Flexirene-MS-20-U-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.922 g/cc	0.922 g/cc	ISO 1183
Melt Flow	26 g/10 min @Load 2.16 kg, Temperature 190 °C	26 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	48	48	ISO 868/A
Tensile Strength at Break	10.0 MPa	1450 psi	ISO 527
Tensile Strength, Yield	9.00 MPa	1310 psi	ISO 527
Elongation at Break	>= 500 %	>= 500 %	ISO 527
Flexural Modulus	0.150 GPa	21.8 ksi	ISO 178

Thermal Properties	Metric	English	Comments
Melting Point	117 °C	243 °F	Internal method
Vicat Softening Point	88.0 °C @Load 1.00 kg	190 °F @Load 2.20 lb	ISO 306/A
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

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