

Polimeri Europa Clearflex® MQ B0 Very Low Density Polyethylene

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

Material Notes:

Clearflex MQ B0 is a linear polyethylene, with antioxidants, characterized by a very low density (VLDPE). The resin shows an excellent balance between flexibility and impact resistance. Main Applications: Clearflex MQ B0 is suitable for injection molding. Products made with Clearflex MQ B0 are characterized by a high flexibility. Clearflex MQ B0 is recommended for seals and gaskets, for blend with polyolefins to modify and improve impact resistance. Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Clearflex-MQ-B0-Very-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.911 g/cc	0.911 g/cc	ISO 1183
Melt Flow	13 g/10 min @Load 2.16 kg, Temperature 190 °C	13 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	40	40	ISO 868/A
Tensile Strength at Break	15.0 MPa	2180 psi	ISO 527
Tensile Strength, Yield	8.00 MPa	1160 psi	ISO 527
Elongation at Break	700 %	700 %	ISO 527
Flexural Modulus	0.115 GPa	16.7 ksi	ISO 178

Thermal Properties	Metric	English	Comments
Melting Point	116 °C	241 °F	Internal method
Vicat Softening Point	74.0 °C @Load 1.00 kg	165 °F @Load 2.20 lb	ISO 306/A
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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