

## Polimeri Europa Clearflex® MQ F0 Very Low Density Polyethylene

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

### Material Notes:

Clearflex MQ F0 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 F0 is suitable for injection molding. Products made with Clearflex MQ F0 are characterized by a high flexibility. Clearflex MQ F0 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-F0-Very-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Clearflex-MQ-F0-Very-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.895 g/cc	0.895 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	26	26	ISO 868/A
Tensile Strength at Break	9.00 MPa	1310 psi	ISO 527
Tensile Strength, Yield	4.00 MPa	580 psi	ISO 527
Elongation at Break	750 %	750 %	ISO 527
Flexural Modulus	0.0450 GPa	6.53 ksi	ISO 178

Thermal Properties	Metric	English	Comments
Melting Point	111 °C	232 °F	Internal method
Vicat Softening Point	51.0 °C @Load 1.00 kg	124 °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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