

Polimeri Europa Clearflex® RM 50 U Linear Medium Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Linear Medium Density Polyethylene (LMDPE), Rotational Molded

Material Notes:

Clearflex RM 50 U is a linear medium density polyethylene resin, with antioxidants and UV stabilizers, suitable for rotomolding applications. Items manufactured with Clearflex RM 50 U show good mechanical properties and high environmental stress crack resistance (ESCR). Main Applications: Thanks to good balance between mechanical properties and processability, Clearflex RM 50 U is recommended for the production of medium capacity containers and items with difficult shapes. Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Clearflex-RM-50-U-Linear-Medium-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.936 g/cc	0.936 g/cc	ISO 1183
Environmental Stress Crack Resistance	>= 350 hour	>= 350 hour	ISO 22088
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 190 °C	4.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	54	54	ISO 868/A
Tensile Strength at Break	21.0 MPa	3050 psi	ISO 527
Tensile Strength, Yield	18.0 MPa	2610 psi	ISO 527
Elongation at Break	>= 700 %	>= 700 %	ISO 527
Flexural Modulus	0.690 GPa	100 ksi	ISO 178
Dart Drop Total Energy	220 J/cm	0.412 ft-lb/mil	rotomolded sample; ISO 6603/2

Thermal Properties	Metric	English	Comments
Melting Point	126 °C	259 °F	Internal method
Vicat Softening Point	114 °C @Load 1.00 kg	237 °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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China