

Micropol Microlin ML53 Linear Polyethylene Rotational Molding Powder

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Rotational Molding Grade

Material Notes:

Information provided by Micropol Limited

Order this product through the following link:

http://www.lookpolymers.com/polymer_Micropol-Microlin-ML53-Linear-Polyethylene-Rotational-Molding-Powder.php

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in ³	ASTM D1505
Melt Flow	6.0 - 9.0 g/10 min	6.0 - 9.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	52	52	ASTM D1706
Tensile Strength, Yield	16.0 - 17.0 MPa	2320 - 2470 psi	50mm/min; ASTM D638-64T
Elongation at Break	400 - 500 %	400 - 500 %	ASTM D638-64T
Flexural Modulus	0.650 GPa	94.3 ksi	ASTM D760-66

Thermal Properties	Metric	English	Comments
Vicat Softening Point	115 Â°C	239 Â°F	ASTM D1525
Brittleness Temperature	-70.0 Â°C	-94.0 Â°F	ASTM D746

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