

Micropol Microlin ML90 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-ML90-Linear-Polyethylene-Rotational-Molding-Powder.php

Physical Properties	Metric	English	Comments
Density	0.938 g/cc	0.0339 lb/in ³	ASTM D792
Melt Flow	3.8 g/10 min	3.8 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	10.4 g/10 min	10.4 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	19.0 MPa	2760 psi	50mm/min; ASTM D638-64T
Elongation at Break	239 %	239 %	ASTM D638-64T
Modulus of Elasticity	0.685 GPa	99.4 ksi	ASTM D638
Charpy Impact, Notched	0.884 J/cm ²	4.21 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Impact	16.4	16.4	J/mm, Falling weight impact; ARM
	@Temperature -20.0 °C	@Temperature -4.00 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	117 °C	243 °F	ASTM D1525

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