

Mikro-Technik Mikrolen UHMW-PE

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Ultra High Molecular Weight

Material Notes:

Properties: very good impact resistance / high absorption at shock and impact stress extremely high resistance against abrasive wear good corrosion resistance highly resistant at temperatures of -265Â°C up to +80Â°C (100Â°C) in relation to mechanical stress
Information provided by Mikro-Technik GmbH

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mikro-Technik-Mikrolen-UHMW-PE.php

Physical Properties	Metric	English	Comments
Density	>= 0.930 g/cc	>= 0.0336 lb/inÂ³	
Molecular Weight	7.60e+6 g/mol	7.60e+6 g/mol	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	15 sec
	61	61	3 sec
Ball Indentation Hardness	36.0 MPa	5220 psi	30 sec
Tensile Strength, Yield	>= 40.0 MPa	>= 5800 psi	
Elongation at Break	>= 350 %	>= 350 %	
Izod Impact, Notched (ISO)	>= 130 kJ/mÂ²	>= 61.9 ft-lb/inÂ²	double notch
	NB	NB	single notch

Thermal Properties	Metric	English	Comments
CTE, linear	200 Âµm/m-Â°C	111 Âµin/in-Â°F	
	@Temperature 23.0 - 80.0 Â°C	@Temperature 73.4 - 176 Â°F	
Thermal Conductivity	0.410 W/m-K	2.85 BTU-in/hr-ftÂ²-Â°F	
Melting Point	130 - 135 Â°C	266 - 275 Â°F	Crystalline melting range

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+14 ohm-cm	>= 1.00e+14 ohm-cm	
Surface Resistance	>= 1.00e+11 ohm	>= 1.00e+11 ohm	
Dielectric Strength			

Electrical Properties	45.0 kV/mm Metric	1140 kV/in English	Comments
Descriptive Properties		Value	Comments
Tensile E-modulus		6.8	

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