

Beijing Evergrow Resources UHMW PE Powder

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), UHMW PE Ultra High Molecular Weight

Material Notes:

Ultra-high molecular weight polyethylene (UHMWPE) is an outstanding engineering plastic. It's characterized by the following properties. Features: Very high abrasion resistance Very high impact strength Very low coefficient friction Good self-lubricant Excellent resistance to chemicals Good resistance to low temperature Excellent dielectric properties Information provided by Beijing Evergrow Resources.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Beijing-Evergrow-Resources-UHMW-PE-Powder.php

Physical Properties	Metric	English	Comments
Bulk Density	0.450 g/cc	0.0163 lb/in ³	
Density	0.935 g/cc	0.0338 lb/in ³	
Volatiles	<= 0.15 %	<= 0.15 %	Moisture
Particle Mesh Size	20 Mesh	20 Mesh	1% retained
Molecular Weight	3.00e+6 - 4.00e+6 g/mol	3.00e+6 - 4.00e+6 g/mol	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa @Temperature 32.0 °C	5080 psi @Temperature 89.6 °F	
Elongation at Break	200 - 300 %	200 - 300 %	
Izod Impact, Unnotched	NB	NB	
Izod Impact, Notched (ISO)	>= 70.0 kJ/m ²	>= 33.3 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Heat Distortion Temperature	>= 80.0 °C	>= 176 °F	

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