

Mikro-Technik Mikrolen AST UHMW-PE

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

Material Notes:

Antistatic Modified 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 -265°C up to +80°C (100°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-AST-UHMW-PE.php

Physical Properties	Metric	English	Comments
Density	>= 0.960 g/cc	>= 0.0347 lb/in ³	

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	38.0 MPa	5510 psi	30 sec
Tensile Strength, Yield	>= 40.0 MPa	>= 5800 psi	
Elongation at Break	>= 300 %	>= 300 %	
Izod Impact, Notched (ISO)	>= 130 kJ/m ²	>= 61.9 ft-lb/in ²	double notch

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 1.00e+6 ohm-cm	<= 1.00e+6 ohm-cm	
Surface Resistance	<= 1.00e+9 ohm	<= 1.00e+9 ohm	

Descriptive Properties	Value	Comments
Tensile E-modulus	8.4	

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