

Westlake Plastics Lennite® CN-P UHMW Polyethylene (conductive)

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

Material Notes:

Carbon-powder-filled, self-lubricating, conductive material with excellent abrasion-resistance and high impact strength. This material is light weight and easily machined, has good chemical and stress-crack resistance, and good wear-resistance. Information provided by Westlake Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Plastics-Lennite-CN-P-UHMW-Polyethylene-conductive.php

Physical Properties	Metric	English	Comments
Density	0.969 g/cc	0.0350 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	ASTM D2240
Tensile Strength, Yield	39.3 MPa	5700 psi	ASTM D638
Elongation at Break	390 %	390 %	ASTM D638
Flexural Modulus	0.965 GPa	140 ksi	ASTM D790
Izod Impact, Notched	NB	NB	ASTM D256

Electrical Properties	Metric	English	Comments
Volume Resistivity	100 - 1.00e+6 ohm-cm	100 - 1.00e+6 ohm-cm	Dry; ASTM D257
Surface Resistance	100 - 1.00e+6 ohm	100 - 1.00e+6 ohm	Dry; ASTM D257

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