

## Westlake Plastics Lennite® SD-P UHMW-PE (static dissipative)

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

### Material Notes:

Carbon-powder filled, self-lubricating, moisture-repellent material with resistivity levels in the 10<sup>5</sup>-10<sup>9</sup> range. This material has the highest impact strength, is lightweight, has excellent abrasion resistance, and possesses good chemical and stress-crack resistance.

Information provided by Westlake Plastics.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Westlake-Plastics-Lennite-SD-P-UHMW-PE-static-dissipative.php](http://www.lookpolymers.com/polymer_Westlake-Plastics-Lennite-SD-P-UHMW-PE-static-dissipative.php)

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.030 %	0.030 %	ASTM D570; 24 hrs.

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	67	67	ASTM D2240
Tensile Strength, Yield	21.6 MPa	3130 psi	ASTM D638
Elongation at Break	310 %	310 %	ASTM D638
Flexural Modulus	1.05 GPa	152 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
CTE, linear	130 µm/m-°C @Temperature 20.0 °C	72.0 µin/in-°F @Temperature 68.0 °F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	78.9 °C	174 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	46.1 °C	115 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.90e+7 ohm-cm	1.90e+7 ohm-cm	Dry; ASTM D257
Surface Resistance	1.20e+7 ohm	1.20e+7 ohm	Dry; ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

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