



LENNITE® SDP / CNP

Static Dissipative / Conductive Ultra-High Molecular Weight Polyethylene
Static Dissipative / Conductive UHMW-PE



** LENNITE® is the registered trademark of

WESTLAKE PLASTICS COMPANY

PRODUCT CAPABILITIES:

- Heavy Gauge Sheet : 1/4" - 2"

ADVANTAGES:

- Carbon Powder Filled
- Self Lubricating
- Good Wear Resistance
- High Impact Strength/ Light Weight
- Excellent Abrasion Resistance
- Good Chemical And Stress Crack Resistance

PRODUCT COLORS:

- Black

APPLICATIONS INCLUDE:

- Impact Strip
- Equipment In The Electrical/ Electronic Or Semiconductor Industry
- Conveyor Belt / Rail

GENERAL PROPERTIES	ASTM or UL Test	LENNITE® SD-P Typical Values	LENNITE® CN-P Typical Values
PHYSICAL			
Specific Gravity (g/cm ³)	D792	0.94	0.969
Water Absorption, 24 hrs (%)	D570	0.03	-
MECHANICAL			
Tensile Strength (psi)	D638	3,130	5,700
Tensile Elongation at Yield (%)	D638	310	390
Flexural Strength (psi)	D790	-	-
Flexural Modulus (psi)	D790	152,000	140,000
IZOD Notched Impact (ft-lb/in)	D256	-	No Break
IZOD Un-Notched Impact (ft-lb/in)	D256	-	-
Hardness, Shore D	D2240	67	70
THERMAL			
Coeff. of Thermal Expansion (x 10 ⁻⁵ in./in./°F)	D696	7.2	7.2
Heat Deflection Temp (°F / °C) @ 264 psi	D648	115 / 46	115 / 46
Thermal Conductivity (BTU-in/ft ² -hr-°F)	C177	-	-
Flammability Rating @ .030"	UL-94	-	-
ELECTRICAL			
Surface Resistivity (ohms/sq)	D257	12.0 x 10 ⁶	10 ² - 10 ⁶
Volume Resistivity (ohm-cm) at 73°F, 50% RH	D257	1.9 x 10 ⁷	10 ² - 10 ⁶
Static Decay, 15% RH (seconds)	MIL-B-81705-B	-	-

NOTE: The information contained here in is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.