



# PROPYLUX® CN-P

Conductive PolyPropylene / Conductive PP



\*\* PROPYLUX® is the registered trademark of

## WESTLAKE PLASTICS COMPANY

### PRODUCT CAPABILITIES:

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

### ADVANTAGES:

- Carbon Powder Filled
- Good Chemical Resistance
- Low Water Absorption
- High Impact Resistance
- Light Weight

### PRODUCT COLORS:

- Black

### APPLICATIONS INCLUDE:

- Transfer Pallet
- Equipment In The Electrical/Electronic Or Semiconductor Industry

GENERAL PROPERTIES	ASTM or UL Test	PROPYLUX® CN-P Typical Values
<b>PHYSICAL</b>		
Specific Gravity (g/cm <sup>3</sup> )	D792	0.96
Water Absorption, 24 hrs (%)	D570	0.01
<b>MECHANICAL</b>		
Tensile Strength (psi)	D638	3,000
Tensile Elongation at Yield (%)	D638	15
Flexural Strength (psi)	D790	4,000
Flexural Modulus (psi)	D790	140,000
IZOD Notched Impact (ft-lb/in)	D256	3.5
IZOD Un-Notched Impact (ft-lb/in)	D256	17.5
Hardness, Shore D	D2240	-
<b>THERMAL</b>		
Coeff. of Thermal Expansion (x 10 <sup>-5</sup> in./in./°F)	D696	-
Heat Deflection Temp (°F / °C) @ 264 psi	D648	130 / 55
Thermal Conductivity (BTU-in/ft <sup>2</sup> -hr-°F)	C177	-
Flammability Rating @ .030"	UL-94	HB
<b>ELECTRICAL</b>		
Surface Resistivity (ohms/sq)	D257	10 <sup>2</sup> - 10 <sup>6</sup>
Volume Resistivity (ohm-cm) at 73°F, 50% RH	D257	10 <sup>2</sup> - 10 <sup>6</sup>
Static Decay, 15% RH (seconds)	MIL-B-81705-B	< 0.1

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.