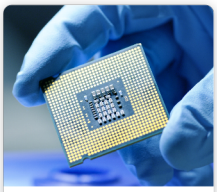
P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Propylux® CN-P

Propylux™ PP CN-P (Statically conductive polypropylene) is a carbon powder-filled polypropylene offering surface resistivity in the 10e4 to 10e6 ohm/sq range and broad chemical resistance. This material is a good choice when ESD protection is needed or to minimize static discharge in flammable environments.

INDUSTRY

Engineering



Semiconductor and ESD

COLORS AVAILABLE

Black

ATTRIBUTES

- Statically Conductive ESD
- Chemical Resistance
- Low Moisture Absorption
- Dielectric Properties

SHAPES

- Compression Sheet

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TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
Mechanical			
Tensile Strength - Yield	ASTM D638	3,050 psi	21 Mpa
Tensile Strength - Break	ASTM D638	2,320 psi	16 Mpa
Tensile Elongation - Yield	ASTM D638	8.4 %	8.4 %
Tensile Elongation - Break	ASTM D638	48 %	48 %
Tensile Modulus	ASTM D638	181,000 psi	1,250 Mpa
Flexural Strength	ASTM D790	4,210 psi	29 Mpa
Flexural Modulus	ASTM D790	170,000 psi	1,170 Mpa
Izod Impact Resistance - Notched	ASTM D256	15 ft-lb/in	0.8 kJ/m
Izod Impact Resistance - Unnotched	ASTM D4812	no break ft-lb/in	no break kJ/m
Thermal			
HDT @ 264 psi	ASTM D648	124°F	51°C
Physical			
Specific Gravity	ASTM D792	0.95	0.95
Electrical			
Surface Resistivity	ASTM D257	10^3 -10^6 ohm/sq	10^3 -10^6 ohm/sq
Other			

*Data above is based on testing of injection molded test specimens

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PRODUCT SHAPES & DIMENSIONS

Compression Sheets: 24"W x 48"L (61cm x 122cm)

0.25" (6.35mm)	0.375" (9.53mm)	0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)
1.50" (38.1mm)	1.75" (44.45mm)	2" (50.8mm)	2.25" (57.15mm)	2.50" (63.5mm)	2.75" (69.85mm)
3" (76.2mm)	3.25" (82.55mm)	3.50" (88.9mm)	3.75" (95.25mm)	4" (101.6mm)	

Compression Sheets: 48"W x 96"L (122cm x 244cm)

0.25" (6.35mm)	0.375" (9.53mm)	0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)
1.50" (38.1mm)	1.75" (44.45mm)	2" (50.8mm)	2.25" (57.15mm)	2.50" (63.5mm)	2.75" (69.85mm)
3" (76.2mm)	3.25" (82.55mm)	3.50" (88.9mm)	3.75" (95.25mm)	4" (101.6mm)	

Compression Sheets: 48"W x 120"L (122cm x 305cm)

0.25" (6.35mm)	0.375" (9.53mm)	0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)
1.50" (38.1mm)	1.75" (44.45mm)	2" (50.8mm)	2.25" (57.15mm)	2.50" (63.5mm)	2.75" (69.85mm)
3" (76.2mm)	3.25" (82.55mm)	3.50" (88.9mm)	3.75" (95.25mm)	4" (101.6mm)	

Compression Sheets: 60"W x 120"L (152cm x 305cm)

0.25" (6.35mm)	0.375" (9.53mm)	0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)
1.50" (38.1mm)	1.75" (44.45mm)	2" (50.8mm)	2.25" (57.15mm)	2.50" (63.5mm)	2.75" (69.85mm)
3" (76.2mm)	3.25" (82.55mm)	3.50" (88.9mm)	3.75" (95.25mm)	4" (101.6mm)	

LAST REVISED: 02/27/2026

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