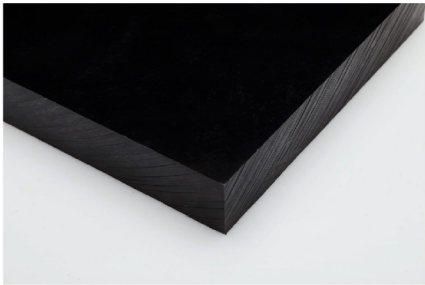




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Propylux™ CN-P

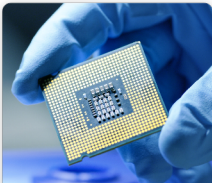


Propylux™ PP CN-P (Statically conductive polypropylene) is a carbon powder-filled polypropylene offering surface resistivity in the 10e4 to 10e6 ohm/sq range and broad chemical resistance. This material is a good choice when ESD protection is needed or to minimize static discharge in flammable environments.

INDUSTRY



Engineering



Semiconductor and ESD

COLORS AVAILABLE



Black

ATTRIBUTES



Chemical Resistance



Low Moisture Absorption



Statically Conductive



SHAPES

Compression Sheet





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Propylux™ CN-P

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 ² - 10 ⁶ ohm/sq	10 ² - 10 ⁶ ohm/sq

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



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Propylux™ CN-P

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: 01/30/2025

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