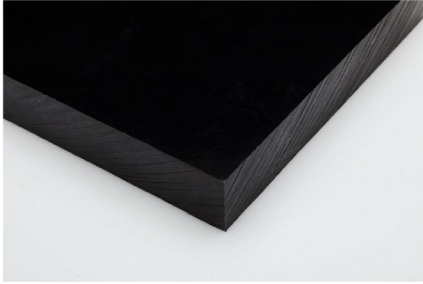




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# Propylux™ CN-F

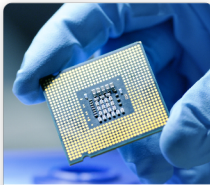


Propylux™ PP CN-F (Statically conductive polypropylene) is conductive polypropylene containing non-sloughing carbon fiber with surface resistivity of 102–106 ohms/sq. Propylux™ PP CN-F offers good chemical resistance, high strength and stiffness, and good temperature resistance to 250°F. Propylux™ PP CN-F is light weight and easily machined and fabricated.

## INDUSTRY



Engineering



Semiconductor and ESD

## COLORS AVAILABLE



Black

## ATTRIBUTES

Chemical Resistance

Dielectric Properties

Stiffness

Strength

## SHAPES

Compression Sheet



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# Propylux™ CN-F

## TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
<b>Mechanical</b>			
Tensile Strength @ Break	D638	4.5 kpsi	31 Mpa
Tensile Elongation @ Yield	D638	2%	2%
Flexural Strength	D790	5.0 kpsi	34.5 Mpa
Flexural Modulus	D790	500 kpsi	3447 Mpa
Izod Impact Resistance - Notched	D256	2.0 ft-lb/ft	0.107 kJ/m
<b>Physical</b>			
Specific Gravity	D792	1.0	1.0
<b>Electrical</b>			
Surface Resistivity	D257	1 x 10 <sup>4</sup> ohm/sq	1 x 10 <sup>4</sup> ohm/sq
Volume Resistivity	D257	1 x 10 <sup>4</sup> ohm-cm	1 x 10 <sup>4</sup> ohm-cm

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



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# Propylux™ CN-F

## 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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