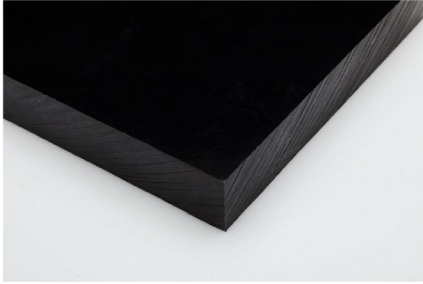




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# Pomalux® CN-P

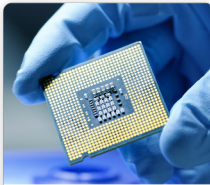


Pomalux® POMC CN-P (Statically conductive polyoxymethylene copolymer) is a conductive acetal copolymer. It is a carbon powder filled material that offers consistent surface resistivity in the 10e4 to 10e6 range. Properties of note include dimensional stability, strength, stiffness, and chemical resistance.

### INDUSTRY



Engineering



Semiconductor and ESD

### COLORS AVAILABLE



Black

### ATTRIBUTES



Wear Resistance



Chemical Resistance



Dielectric Properties



### SHAPES

Compression Sheet





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# Pomalux® CN-P

## TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
<b>Mechanical</b>			
Flexural Modulus	D790	169 kpsi	1,170 MPa
Flexural Strength - 5%	D790	4,206 psi	29 MPa
Izod Impact Resistance - Notched	D256	15.36 ft-lb/in	820 J/m
Tensile Elongation @ Break	D638	48.00 %	48.00 %
Tensile Elongation @ Yield	D638	8.40 %	8.40 %
Tensile Modulus	D638	181 kpsi	1,250 MPa
Tensile Strength @ Break	D638	2.3 kpsi	16 MPa
Tensile Strength @ Yield	D638	3 kpsi	21 MPa
<b>Thermal</b>			
HDT @ 264 psi	D648	123 °F	51 °C
<b>Physical</b>			
Moisture Absorption	D570	0.03 %	0.03 %
Specific Gravity	D792	0.95	0.95
<b>Electrical</b>			
Surface Resistivity	D257	10 <sup>4</sup> - 10 <sup>6</sup> ohm/sq	10 <sup>4</sup> - 10 <sup>6</sup> ohm/sq

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



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# Pomalux® 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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