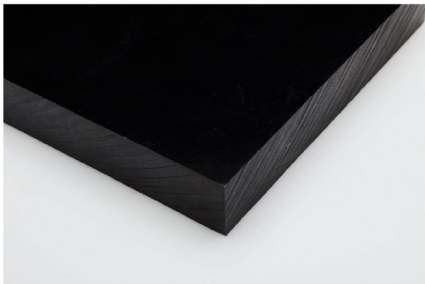




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Pomalux® CN-P

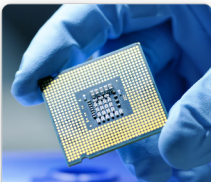


Pomalux® POMC CN-P (Statically conductive polyoxymethylene copolymer) is a conductive acetal copolymer. It is a carbon powder filled material that offers consistent surface resistivity in the 10ee4 to 10ee6 range. Properties of note include dimensional stability, strength, stiffness, and chemical resistance.

INDUSTRY



Engineering







Semiconductor and ESD

COLORS AVAILABLE



Black

ATTRIBUTES

 Wear Resistance	
 Chemical Resistance	
 Dielectric Properties	

SHAPES

Compression Sheet	
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TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
Mechanical			
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
Thermal			
HDT @ 264 psi	D648	123 °F	51 °C
Physical			
Moisture Absorption	D570	0.03 %	0.03 %
Specific Gravity	D792	0.95	0.95
Electrical			
Surface Resistivity	D257	10 ⁴ - 10 ⁶ ohm/sq	10 ⁴ - 10 ⁶ 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: 01/05/2024

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