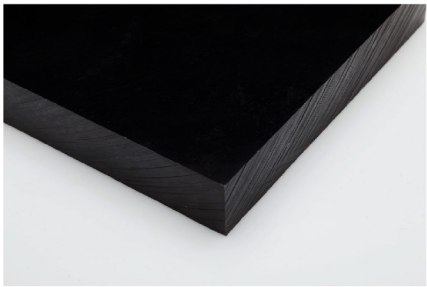




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# Pomalux® CN-F

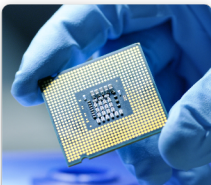


Pomalux® POMC CN-F (Statically conductive polyoxymethylene copolymer) is a conductive, acetal copolymer that contains non-sloughing carbon fibers. These fibers produce a conductive material with surface resistivity in the 10ee4 to 10ee6 range while enhancing the copolymer’s strength and stiffness.

INDUSTRY



Engineering



Semiconductor and ESD

COLORS AVAILABLE



Black

ATTRIBUTES

	Wear Resistance	✓
	Chemical Resistance	✓
	Dielectric Properties	✓
	Stiffness	✓
	Strength	✓

SHAPES

Compression Sheet	✓
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# Pomalux® CN-F

## TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
<b>Mechanical</b>			
Flexural Modulus	D790	214 kpsi	1,480 MPa
Flexural Strength - 5%	D790	8.7 kpsi	60 MPa
Izod Impact Resistance - notched	D256	2.99 ft-lb/in	160 J/m
Tensile Elongation @ Break	D638	>100%	>100%
Tensile Elongation @ Yield	D638	17.00 %	17.00 %
Tensile Strength @ Break	D638	5 kpsi	34.50 MPa
Tensile Strength @ Yield	D638	6.3 kpsi	43.40 MPa
<b>Thermal</b>			
HDT @ 264 psi	D648	300 °F	149 °C
HDT @ 64 psi	D648	557 °F	292 °C
<b>Physical</b>			
Specific Gravity	D792	1.30	1.30
<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-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: 01/05/2024

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