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# Propylux™ SD-A

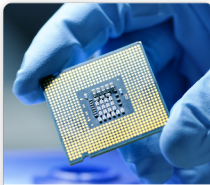


Propylux™ SD-A is a non-carbon-filled, permanently anti-static polypropylene (PP) offering surface resistivity in the 10EE9 to 10EE11 ohm/sq range. Propylux® SD-A is low out-gassing, non-sloughing, and has been used in clean room environments. The material is available in both natural and black color.

## INDUSTRY



Engineering



Semiconductor and ESD

## COLORS AVAILABLE



Black



Natural

## ATTRIBUTES

Impact Resistance

Chemical Resistance

ESD Performance

## SHAPES

Compression Sheet



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## TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
<b>Mechanical</b>			
Tensile Strength - Yield	ASTM D638	4,060 psi	28 Mpa
Tensile Elongation - Yield	ASTM D638	9.6 %	9.6 %
Tensile Elongation - Break	ASTM D638	47 %	47 %
Tensile Modulus	ASTM D638	202,000 psi	1,390 Mpa
Flexural Strength	ASTM D790	5,800 psi	40 Mpa
Flexural Modulus	ASTM D790	209,000 psi	1,440 Mpa
Izod Impact Resistance - Notched	ASTM D256	1.3 ft-lb/in	0.069 kJ/m
Izod Impact Resistance - Unnotched	ASTM D4812	no break ft-lb/in	no break kJ/m
<b>Thermal</b>			
HDT @ 64 psi	ASTM D648	212°F	100°C
HDT @ 264 psi	ASTM D648	133°F	56°C
<b>Physical</b>			
Moisture Absorption	ASTM D570	0.85 %	0.85 %
Specific Gravity	D792	0.952	0.952
<b>Electrical</b>			
Surface Resistivity	D257	10 <sup>9</sup> - 10 <sup>11</sup>	10 <sup>9</sup> - 10 <sup>11</sup>
Volume Resistivity	D257	32,918.40 ohm-ft	1,080.00 ohm-cm

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



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## 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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