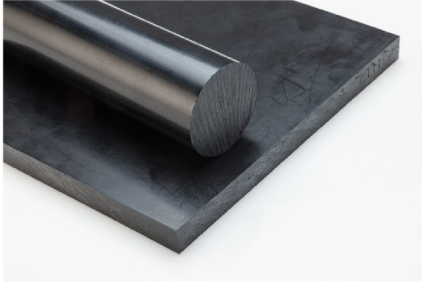




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Absylux® SD-A

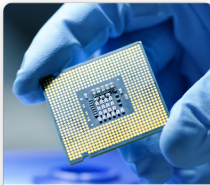


Absylux® ABS SD-A is a permanently antistatic Acrylonitrile Butadiene Styrene with surface resistivity of 10⁹ - 10¹¹ ohm/sq. The material is a non-carbon filled product, available in both natural and black color. It is ideal for protection against static discharge in electronic applications where contamination from potential sloughing of carbon powder would be of concern. Absylux® ABS SD-A is easy to machine and fabricate.

INDUSTRY



Engineering



Semiconductor and ESD

COLORS AVAILABLE



Black



Natural

ATTRIBUTES

Dielectric Properties	✓
Impact Resistance	✓
Dimensional Stability	✓

SHAPES

Compression Sheet	✓
Extruded Film	✓
Extruded Rod	✓



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Absylux® SD-A

TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
Mechanical			
Flexural Modulus	D790	300 kpsi	2,068 MPa
Flexural Strength - Yield	D790	10 kpsi	69 MPa
Izod Impact Resistance - Notched	D256	2.5 ft·lb/in	133 J/m
Tensile Elongation @ Yield	D638	>10 %	>10 %
Tensile Modulus	D638	280 kpsi	1930 MPa
Tensile Strength @ Yield	D638	6 kpsi	41 MPa
Thermal			
HDT @ 264 psi	D648	170 °F	76 °C
Physical			
Specific Gravity	D792	1.06	1.06
Electrical			
Surface Resistivity	D257	10 ⁹ -10 ¹¹ ohm/sq	10 ⁹ -10 ¹¹ ohm/sq

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



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Absylux® SD-A

PRODUCT SHAPES & DIMENSIONS

Rods: 48"L (122cm)

2.5" (63.5mm) 2.75" (69.85mm)

Rods: 96"L (244cm)

0.5" (12.7mm)	0.625" (15.88mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)	1.375" (34.93mm)
1.5" (38.1mm)	1.625" (41.28mm)	1.75" (44.45mm)	1.875" (47.63mm)	2" (50.8mm)	

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)	1.0" (25.4mm)	1.25" (31.75mm)
1.5" (38.1mm)	1.75" (44.45mm)	2.0" (50.8mm)	2.25" (57.15mm)	2.5" (63.5mm)	2.75" (69.85mm)
3.0" (76.2mm)	3.25" (82.55mm)	3.5" (88.9mm)	3.75" (95.25mm)	4.0" (101.6mm)	4.25" (107.95mm)
4.5" (114.3mm)	4.75" (120.65mm)	5.0" (127mm)	5.25" (133.35mm)	5.5" (139.7mm)	5.75" (146.05mm)
6.0" (152.4mm)					

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)	4.25" (107.95mm)
4.50" (114.3mm)	4.75" (120.65mm)	5" (127mm)	5.25" (133.35mm)	5.50" (139.7mm)	5.75" (146.05mm)
6" (152.4mm)					



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Absylux® SD-A

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)	4.25" (107.95mm)
4.50" (114.3mm)	4.75" (120.65mm)	5" (127mm)	5.25" (133.35mm)	5.50" (139.7mm)	5.75" (146.05mm)
6" (152.4mm)					

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)	4.25" (107.95mm)
4.50" (114.3mm)	4.75" (120.65mm)	5" (127mm)	5.25" (133.35mm)	5.50" (139.7mm)	5.75" (146.05mm)
6" (152.4mm)					

Extruded Films: 26"W (66cm)

0.01" (0.25mm)	0.02" (0.51mm)
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LAST REVISED: 01/30/2025

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