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Absylux® SD-A

TECHNICAL POLYMER

ABS FAMILY

ENGINEERING

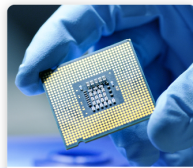


Absylux® ABS SD-A is a permanently antistatic Acrylonitrile Butadiene Styrene with surface resistivity of 10⁹ – 10¹¹ ohm/sq. The material is a non-carbon filled product, available in both natural and black color. It is ideal for protection against static discharge in electronic applications where contamination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



ATTRIBUTES



Dimensional Stability



Dielectric Properties



Impact Resistance



SHAPES

Compression Sheet



Extruded Film



Extruded Rod





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TECHNICAL SPECIFICATIONS

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, 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	33,169 ohm/sq (ft)	10,110 ohm/sq (m)

SIZING

Rod Sizing

48" Length

0.5" (12.7mm)	0.625" (15.88mm)	0.75" (19.05mm)	0.875" (22.23mm)	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)
2.5" (63.5mm)	2.75" (69.85mm)				

96" Length

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)	2.5" (63.5mm)
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Absylux® SD-A

Compression Sheet Sizing

48" Length by 24" Width

0.25" (6.35mm)	0.375" (9.53mm)
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96" Length by 48" Width

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)					

120" Length by 48" Width

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)					

120" Length by 60" Width

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)					

Film Sizing

26" Width

0.01" (0.25mm)	0.02" (0.51mm)
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