

Absylux® ABS SD-A

TECHNICAL POLYMER

ABS FAMILY

ENGINEERING

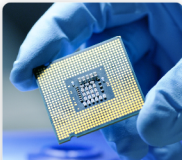


Absylux is Westlake Plastics' family of Acrylonitrile Butadiene Styrene (ABS). Absylux is an economical all-purpose engineering plastic exhibiting good dimensional stability, impact strength, and stiffness. Absylux is a popular choice for prototyping parts where low volumes and easy machining are required. Absylux can also be painted and is easy to bond with adhesives. Absylux is FDA Compliant in natural (beige) and black for food applications. Westlake Plastics proprietary compression molding process provides better dimensional stability and resistance to warpage during machining compared to other extruded ABS sheet products in the marketplace.

INDUSTRY



Engineering



Semiconductor
and ESD

ATTRIBUTES

 Dielectric Properties	✓
 Dimensional Stability	✓
 Impact Resistance	✓

SHAPES

Thin Sheet	✓
Extruded Film	✓
Extruded Rod	✓

COLORS AVAILABLE



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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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Compression Sheet Sizing

48" Length by 24" Width

0.25" (6.35mm) 0.375" (9.53mm)

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)

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6" (152.4mm)

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Absylux® ABS SD-A

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

" Length by 26" Width

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

PROPERTY	UNITS	TEST STANDARD	RESIN GRADE
Mechanical			
Flexural Modulus	300,000 psi / 2,068 MPa	D790	
Flexural Strength - Yield	10,000 psi / 69 MPa	D790	
Izod Impact, notched	2.5 ft-lb/in / 133.44675 J/m	D256	
Tensile Elongation @ Yield	>10 %	D638	
Tensile Modulus	280,000 psi / 1930.52855113832 MPa	D638	
Tensile Strength @ Yield	6,000 psi / 41.3684689529641 MPa	D638	
Thermal			
HDT @ 264 psi	170 °F / 76.6666666666667 °C	D648	
Physical			
Specific Gravity	1.06	D792	
Electrical			
Surface Resistivity	33,169.2924 ohm/sq (ft) / 10,110 ohm/sq (m)	D257	

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Revised: 01/07/2022 Current: 01/07/2022