

# Absylux® SD-A

Acrylonitrile Butadiene Styrene

Westlake Plastics Company

## Message:

Non-carbon-filled anti-static material which has high impact strength, good tensile and flexural strength, and is easily machined. Available in natural or black, it can be easily thermoformed in thinner gauges, and is bondable with WELD-ON® 1707.

### Advantages:

Good strength and stiffness

Cost effective

Easily machined

Good chemical resistance

Durable

Bondable

### Applications:

Disk drive assembly fixtures

Semiconductor/electronic components

Electronic component transfer trays

Telecommunications hardware

Automotive equipment

General Information	
Filler / Reinforcement	Filler
Additive	Antistatic
Features	Antistatic
	Bondability
	Durable
	Good Chemical Resistance
	Good Stiffness
	Good Strength
	High Impact Resistance
	Machinable
	Semi Conductive
Uses	Automotive Applications
	Electrical Parts
	Electrical/Electronic Applications
	Telecommunications
Appearance	Beige
	Black
	Natural Color
Forms	Film
	Rod
	Sheet

Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr)	1.7	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	68		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.5	MPa	ASTM D638
Tensile Elongation (Break)	13	%	ASTM D638
Flexural Modulus	1790	MPa	ASTM D790
Flexural Strength	55.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	320	J/m	ASTM D256
Unnotched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	87.8	°C	
1.8 MPa, Unannealed	71.1	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+9 to 1.0E+11	ohms	ASTM D257
Volume Resistivity	1.0E+9 to 1.0E+11	ohms·cm	ASTM D257
Static Decay - 15% RH	< 0.3	sec	MIL B-81705
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

