

ABS ABSYLUX® SD-A

ElectroStatic Discharge

Absylux® is a Registered Trademark of Westlake Plastics Co.

Absylux SD-A is a non-carbon filled static-dissipative polypropylene resin. Surface Resistivity dry (10¹¹ - 10¹² ohm/sq). Absylux SD-A is easy to machine and fabricate. Absylux SD-A is an ideal material for structural applications when strength and stiffness are required



The following physical property information is based on typical values of the base acrylonitrile-butadiene- styrene resin.

Electrical Properties	Test Method	Result	
		Metric	English
Surface Resistivity dry	ASTM D257	10 ⁹ - 10 ¹¹ ohm/sq	10 ⁹ - 10 ¹¹ ohm/sq
Volume Resistivity dry	ASTM D257	10 ⁹ - 10 ¹¹ ohm-cm	3.93 x 10 ⁹ - 3.93 x 10 ¹¹ ohm-in
Static Decay 15% RH	Mil-B-81705-B	<0.3 seconds	<0.3 seconds
Mechanical Properties	Test Method	Result	
		Metric	English
Tensile Strength at yield	ASTM D638	34 MPa	5 kpsi
Tensile Elongation at break	ASTM D638	13 %	13 %
Flexural Strength	ASTM D790	55 MPa	8 kpsi
Flexural Modulus	ASTM D790	1793 MPa	260 kpsi
Izod Impact Strength Notched	ASTM D256	3.2 J/cm	6 ft-lb/in
Izod Impact Strength Un-notched	ASTM D256	No Break J/cm	No Break ft-lb/in
Hardness-Shore D	ASTM D2240	68	68
Other Properties	Test Method	Result	
		Metric	English
Specific Gravity	ASTM D792	1.03	1.03
Water Absorption at 24 hours	ASTM D570	1.7 %	1.7 %
Thermal Properties	Test Method	Result	
		Metric	English
Heat Deflection Temp. at 264 psi	ASTM D648	71 °C	160 °F
Heat Deflection Temp. at 66 psi	ASTM D648	88 °C	190 °F
Flam. Rating-UL94	-	HB	HB

Applications Include:

- Semiconductor Packaging, Process and Testing Components
- Disk drive assembly fixtures
- Telecommunications hardware
- Sensitive Electronic components
- Explosives handling equipment
- Metal Replacement / Weight Reduction

Manufacturing Capabilities:



Colors:

Black

In addition to our standard capabilities, Westlake also has the ability to process custom resins in various sizes and colors with some exceptions.

This information is offered solely for your consideration, examination and verification, and is to be construed neither as a warranty nor guarantee that the same results as those stated herein will be obtained by the use to which others may put the material. Each user of the material should make his own tests to determine the characteristics and suitability of the material for his own particular use and the use which will be made of the completed product. This publication is not to be taken as a license to operate under, or a recommendation to infringe any patents. The observance of all legal regulations and patents is the responsibility of the user. The buyer's exclusive remedy against the seller shall be for the repair or replacement of defective stock. No other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or other incidental or consequential loss) shall be available to the buyer.



Phone : 1.610.459.1000
 Phone : 1.800.000.1700
 Fax : 610.459.1084
 490 West Lenni road
 Lenni, PA 19052
 U.S.A
 Email : info@westlakeplastics.com

CLICK TO OUR WEBSITE



EXCLUSION OF WARRANTIES: THERE ARE NO WARRANTIES AS TO THE MATERIAL DESCRIBED HEREIN, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. ANY VALUES STATED IN SELLER'S LITERATURE ARE TYPICAL PROPERTIES ONLY.