

ZELUX[®] SD-P

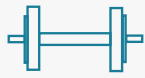
ElectroStatic Discharge

Zelux[®] is a Registered Trademark of Westlake Plastics Co.

ZELUX SD-P is static dissipative Polycarbonate (PC). It is a carbon-powder filled material with resistivity levels in the 107 - 1011 ohm/sq. range with high flexural strength and good thermal stability to 270F. The material is UL94 V-O rated at 0.030». The material is thermoformable in 010» - 060» gauges, and has low out gassing properties



IMPACT RESISTANCE



STIFFNESS



DIMENSIONAL STABILITY



ELECTRICAL INSULATING



LOW MOISTURE ABSORPTION



EASY TO MACHINE



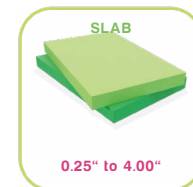
FLAME RETARDANT

Property	Units	ASTM	Zelux SD-P	Zelux CD-P	Zelux CN-SS
Mechanical					
Tensile strength @yield	psi	D638	9 500	9,400	7,500
Tensile elongation	%	D638	5.0	5.0	15.0
Flexural strength	psi	D790	15,500	15,500	12 000
Flexural modulus	psi	D790	450 00	460 00	350,000
Izod impact strength					
Notched	ft. lbs/in	D256	1.5	1.4	1.8
Un-Notched	ft. lbs/in	D256	15.0	10.0	30.0
Hardness Shore D		D2240	78	62	-
Thermal					
Heat deflection temperature @264 psi	°F	D648	270	270	285
Flammability rating-UL94			V-0 @0.020"	V-0 @0.028"	V-0 @0.065"
Coefficient of thermal expansion	in/in/°F	D696	3.5x10 ⁻⁵	-	-
Flexural modulus	(BTU-in)/(hr-ft ² -°F)	-	1.6	-	-
Electrical					
Surface resistivity dry	ohm/sq	D257	10 ⁷ -10 ¹¹	10 ³ -10 ⁶	10 ² -10 ⁶
Volume resistivity dry	ohm/cm	D257	10 ⁷ -10 ¹¹	10 ³ -10 ⁶	10 ² -10 ⁶
Static decay	seconds	Mil-B-81705-B	<0.1	<0.1	<0.1
Other					
Specific gravity		D792	1.33	1.32	1.29
Water absorption @24 hours	%	D570	0.18	0.16	0.13

Applications Include:

- Semiconductor/electronic components
- Cassette housings
- Telecommunications hardware
- Explosives handling equipment

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.