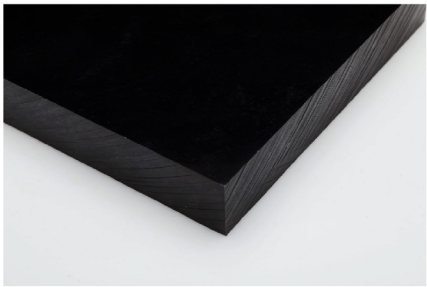




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Zelux® SD-P

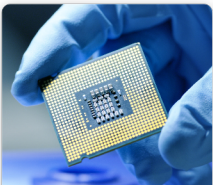


Zelux® SD-P is a static dissipative, carbon powder filled polycarbonate (PC). This product offers resistivity levels in the 10^7 - 10^{11} ohm/sq.. Zelux® SD-P has high flexural strength and good thermal stability to 250°F. The material offers UL94 V-0 performance down to 0.030".

INDUSTRY



Engineering





Semiconductor and ESD

COLORS AVAILABLE



Black

ATTRIBUTES

 Dielectric Properties	
 Dimensional Stability	
 Flammability Resistance	

SHAPES

Compression Sheet	
Extruded Sheet	
Extruded Film	



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Zelux® SD-P

TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
Mechanical			
Flexural Modulus	D790	468 kpsi	3,230 MPa
Flexural Strength - 5%	D790	14.6 kpsi	101 MPa
Izod Impact Resistance - Notched	D256	1.79 ft-lb/in	96 J/m
Tensile Elongation @ Break	D638	8.30 %	8.30 %
Tensile Elongation @ Yield	D638	4.60 %	4.60 %
Tensile Modulus	D638	398 kpsi	2,750 MPa
Tensile Strength @ Break	D638	8.7 kpsi	60 MPa
Tensile Strength @ Yield	D638	9.7 kpsi	67 MPa
Thermal			
HDT @ 264 psi	D648	248 °F	120 °C
HDT @ 64 psi	D648	269 °F	132 °C
Physical			
Moisture Absorption	D570	0.11 %	0.11 %
Specific Gravity	D792	1.34	1.34
Electrical			
Surface Resistivity	D257	10 ⁷ - 10 ¹¹ ohm/sq	10 ⁷ - 10 ⁹ ohm/sq

*Data above is based on testing of injection molded test specimens



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Zelux® SD-P

PRODUCT SHAPES & DIMENSIONS

Compression Sheets: 24"W x 48"L (61cm x 122cm)

0.25" (6.35mm)	0.375" (9.53mm)	0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)
1.5" (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)	

Extruded Sheets: 48"W x 96"L (122cm x 244cm)

0.03" (0.76mm)	0.035" (0.89mm)	0.06" (1.52mm)	0.062" (1.57mm)	0.08" (2.03mm)	0.09" (2.29mm)
0.095" (2.41mm)	0.125" (3.18mm)	0.1875" (4.76mm)	0.25" (6.35mm)		

Extruded Films: 26"W (66cm)

0.005" (0.13mm)	0.01" (0.25mm)	0.02" (0.51mm)
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LAST REVISED: 01/05/2024

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