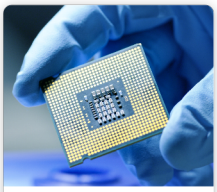
P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Zelux® CN-P

Zelux® CN-P is a conductive, carbon powder filled polycarbonate (PC). This product offers surface resistivity of 10ee3 - 10ee6 ohm/sq. Zelux® CN-P has low outgassing properties, high flexural strength, and good thermal stability to 250°F. Zelux® CN-P offers UL94 V-0 performance down to 0.030" and is thermoformable.

INDUSTRY

Engineering



Semiconductor and ESD

COLORS AVAILABLE

Black

ATTRIBUTES

- Dielectric Properties
- Dimensional Stability
- Statically Conductive ESD
- Flammability Resistance

SHAPES

- Compression Sheet
- Extruded Sheet
- Extruded Film

P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Zelux® CN-P

TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
Mechanical			
Tensile Strength @ Yield	D638	9 kpsi	62 Mpa
Tensile Strength @ Break	D638	8.1 kpsi	56 Mpa
Tensile Elongation @ Yield	D638	4.9%	4.9%
Tensile Elongation @ Break	D638	9.5%	9.5%
Tensile Modulus	D638	389 kpsi	2680 Mpa
Flexural Strength	D790	14.8 kpsi	102 Mpa
Flexural Modulus	D790	419 kpsi	2890 Mpa
Izod Impact Resistance - Notched	D256	1.2 ft-lb/in	0.064 kJ/m
Izod Impact Resistance - Unnotched	D4812	23 ft-lb/in	1.2 kJ/m
Thermal			
HDT @ 64 psi	D648	280°F	138°C
HDT @ 264 psi	D648	261°F	127°C
Physical			
Moisture Absorption	D570	0.14%	0.14%
Specific Gravity	D792	1.24	1.24
Electrical			
Surface Resisitivty	D257	10^3 -10^6 ohm/sq	10^3 -10^6 ohm/sq
Other			

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

P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Zelux® CN-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)
1.50" (38.1mm)	1.75" (44.45mm)	2" (50.8mm)	2.25" (57.15mm)	2.50" (63.5mm)	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)

0.002" (0.05mm)	0.005" (0.13mm)	0.010" (0.25mm)	0.020" (0.51mm)	0.025" (0.64mm)

LAST REVISED: 07/13/2026

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.

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 ITERATURE ARE TYPICAL PROPERTIES ONLY.