



ZELUX® CN-P

Conductive PolyCarbonate / Conductive PC



** ZELUX® is the registered trademark of

WESTLAKE PLASTICS COMPANY

PRODUCT CAPABILITIES:

- Sheet : 1/4" -2"

ADVANTAGES:

- Carbon Power Filled
- High Flexural Strength
- Good Thermal Stability
- UL94 Rated V-O @ 0.028"
- Low Out-gassing

PRODUCT COLORS:

- Black

APPLICATIONS INCLUDE:

- Automotive Equipment
- Disk Drive Assembly Fixtures
- Semiconductor/Electronic Components
- Telecommunication Hardware

GENERAL PROPERTIES	ASTM or UL Test	ZELUX® CN-P Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	D792	1.32
Water Absorption, 24 hrs (%)	D570	0.16
MECHANICAL		
Tensile Strength (psi)	D638	9,400
Tensile Elongation at Yield (%)	D638	5
Flexural Strength (psi)	D790	15,500
Flexural Modulus (psi)	D790	460,000
IZOD Notched Impact (ft-lb/in)	D256	1.4
IZOD Un-Notched Impact (ft-lb/in)	D256	10
Hardness, Shore D	D2240	62
THERMAL		
Coeff. of Thermal Expansion (x 10 ⁻⁵ in./in./°F)	D696	-
Heat Deflection Temp (°F / °C) @ 264 psi	D648	270 / 132
Thermal Conductivity (BTU-in/ft ² -hr-°F)	C177	-
Flammability Rating @ 0.028"	UL-94	V-O
ELECTRICAL		
Surface Resistivity (ohms/sq)	D257	10 ³ - 10 ⁶
Volume Resistivity (ohm-cm) at 73°F, 50% RH	D257	10 ³ - 10 ⁶
Static Decay, 15% RH (seconds)	MIL-B-81705-B	< 0.1

NOTE: The information contained here in is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.