



POMALUX® CN-P

Conductive Acetal Copolymer / Conductive Delrin



** POMALUX® is the registered trademark of

WESTLAKE PLASTICS COMPANY

PRODUCT CAPABILITIES:

- Rod : 1/4" - 2"
- Heavy Gauge Sheet : 1/4" - 2"

ADVANTAGES:

- Dimensionally Stable
- Extremely Strong and Stiff
- Highly Chemical Resistance
- Temperature Resistance To 103°C / 217°F

PRODUCT COLORS:

- Black

APPLICATIONS INCLUDE:

- Disk Drive Assembly Fixtures
- Handling Equipment In The Electrical/Electronic Or Semiconductor Industry
- Telecommunication Hardware
- Automotive Equipment

GENERAL PROPERTIES	ASTM or UL Test	POMALUX® CN-P Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	D792	1.44
Water Absorption, 24 hrs (%)	D570	0.25
MECHANICAL		
Tensile Strength (psi)	D638	7,986
Tensile Elongation at Yield (%)	D638	3.9
Flexural Strength (psi)	D790	14,577
Flexural Modulus (psi)	D790	0.474
IZOD Notched Impact (ft-lb/in)	D256	0.7
IZOD Un-Notched Impact (ft-lb/in)	D256	17
Hardness, Shore D	D2240	-
THERMAL		
Coeff. of Thermal Expansion (x 10 ⁻⁵ in./in./°F)	D696	4.9
Heat Deflection Temp (°F / °C) @ 264 psi	D648	217 / 103
Thermal Conductivity (BTU-in/ft ² -hr-°F)	C177	-
Flammability Rating @ .030"	UL-94	-
ELECTRICAL		
Surface Resistivity (ohms/sq)	D257	10 ² - 10 ⁶
Volume Resistivity (ohm-cm) at 73°F, 50% RH	D257	-
Static Decay, 15% RH (seconds)	MIL-B-81705-B	-

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.