

# ZELUX<sup>®</sup> CN-P

## ElectroStatic Discharge

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Electrical Properties	Test Method	Result	
		Metric	English
Surface Resistivity dry	ASTM D257	10 <sup>3</sup> - 10 <sup>6</sup> ohm/sq	10 <sup>3</sup> - 10 <sup>6</sup> ohm/sq
Volume Resistivity dry	ASTM D257	10 <sup>3</sup> - 10 <sup>6</sup> ohm-cm	3937 - 39370080.00 ohm-in
Static decay	Mil-B-81705-B	< 0.1 seconds	< 0.1 seconds
Mechanical Properties	Test Method	Result	
		Metric	English
Tensile Strength at yield	ASTM D638	65 MPa	9.4 kpsi
Tensile Elongation at break	ASTM D638	5 %	5 %
Flexural Strength	ASTM D790	107 MPa	15.5 kpsi
Flexural Modulus	ASTM D790	3172 MPa	460 kpsi
Izod Impact Strength Notched	ASTM D256	0.75 J/cm	1.4 ft-lb/in
Izod Impact Strength Un-notched	ASTM D256	5.3 J/cm	10 ft-lb/in
Hardness-Shore D	ASTM D2240	62	62
Other Properties	Test Method	Result	
		Metric	English
Specific Gravity	ASTM D792	1.32	1.32
Water Absorption at 24 hours	ASTM D570	0.16 %	0.16 %
Thermal Properties	Test Method	Result	
		Metric	English
Heat Deflection Temp. at 264 psi	ASTM D648	132 °C	270 °F
Flam. Rating-UL94	-	V-0 at 0.028	V-0 at 0.028
Coefficient of Thermal Expansion	ASTM D696	m/m/°C	in/in/°F
Thermal conductivity	-	watt-meter/K	BTU-in/hr-ft <sup>2</sup> -°F

### 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.

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