



## WPS

### PRODUCT CAPABILITIES:

- Rod : 1/4" - 1.5"
- Heavy Gauge Sheet : 1/4" - 2"

### ADVANTAGES:

- Non-Sloughing
- Abrasion Resistant
- Dimensionally Stable
- Extremely Strong And Stiff
- Highly Chemical Resistance
- Temperature Resistance To 160°C / 320°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	POM <sup>®</sup> CNF Typical Values
<b>PHYSICAL</b>		
Specific Gravity (g/cm <sup>3</sup> )	D792	1.46
Water Absorption, 24 hrs (%)	D570	0.22
<b>MECHANICAL</b>		
Tensile Strength (psi)	D638	11,900
Tensile Elongation at Yield (%)	D638	3.5
Flexural Strength (psi)	D790	14,300
Flexural Modulus (psi)	D790	1,225,000
IZOD Notched Impact (ft-lb/in)	D256	1
IZOD Un-Notched Impact (ft-lb/in)	D256	3.5
Hardness, Shore D	D2240	88
<b>THERMAL</b>		
Coeff. of Thermal Expansion (x 10 <sup>-5</sup> in./in./°F)	D696	2.6
Heat Deflection Temp (°F / °C) @ 264 psi	D648	320 / 160
Thermal Conductivity (BTU-in/ft <sup>2</sup> -hr-°F)	C177	-
Flammability Rating @ .030"	UL-94	HB
<b>ELECTRICAL</b>		
Surface Resistivity (ohms/sq)	D257	10 <sup>2</sup> - 10 <sup>6</sup>
Volume Resistivity (ohm-cm) at 73°F, 50% RH	D257	10 <sup>3</sup> - 10 <sup>7</sup>
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.