



# PEEK – W5000

Dissipative W5000 with Carbon Nano-Tube (NT)



## PRODUCT CAPABILITIES:

### STOCK SHAPES

- Sheet : 10, 12 & 20mm

## ADVANTAGES:

- Low Out-Gassing
- Homogenous Surface & Volume Resistivity
- Dimensionally stable
- Ability to Control Respective Resistivities

## PRODUCT COLORS:

- Black

## APPLICATIONS INCLUDE:

- Sockets · Nests
- Contactors For Test Equipment
- Electronic Device Handling Components

## Yukadenshi

GENERAL PROPERTIES	ASTM or UL Test	PEEK W5000 Typical Values
<b>PHYSICAL</b>		
Density (g/cm <sup>3</sup> )	D792	1.32
Water Absorption, 24 hrs (%)	D570	-
<b>MECHANICAL</b>		
Tensile Strength (MPa)	D638	110
Tensile Elongation (%)	D638	-
Flexural Strength (MPa)	D790	180
Flexural Modulus (MPa)	D790	4,200
Compressive Strength (MPa)	D695	-
Compressive Modulus (MPa)	D695	-
Hardness, Rockwell (R scale)	D785	123
IZOD Notched Impact (J/m)	D256	60
<b>THERMAL</b>		
Coeff. of Linear Thermal Expansion 30°C to 140°C (x10 <sup>-5</sup> /°C)	D696	4.6
Heat Deflection Temp (°F / °C) at 1.82 MPa	D648	306 / 152
Glass Transition Temp (°F / °C)	D3418	-
Crystal Melting Temp (°F / °C)	D3418	-
Continuous Service Temp (°F / °C)	KCI method	-
Flammability Rating	UL94	-
<b>ELECTRICAL</b>		
Dielectric Strength (kV/mm)	D149	-
Surface Resistance (ohms)	ESD11.11	<10 <sup>9</sup>
Dielectric Constant at 1 MHz	D150	-
Dielectric Loss Tangent at 1 MHz	D150	-

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.