



PEEK CNT

Dissipative Polyetheretherketone (Peek) with Carbon Nano-Tube (NT)



PRODUCT CAPABILITIES:

Rod: Diameter: 10mm - 70mm
Plate: 6mm - 40mm

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

DYNEX

GENERAL PROPERTIES	ISO/(IEC)	PEEK CNT Typical Values
PHYSICAL		
Density (g/cm ³)	1183	1.31
Water Absorption, 24 hrs (mg)	62	-
MECHANICAL		
Tensile Stress (MPa)	527	115
Tensile Strain at break (%)	527	20
Modulus of elasticity (MPa)	527	4300
Compressive Stress (MPa)	604	-
Rockwell Hardness	2039-2	R120
IZOD Notched Impact (J/m)	180/2A	41
THERMAL		
Coeff. of Linear Thermal Expansion 23°C to 100°C (10 ⁻⁶ /k)	-	-
Heat Deflection Temp (°F / °C) at 1.8 MPa	75	320/160
Melting Temperature (°F / °C)	-	649/343
Max Continuous Service Temp (°F / °C)	-	482/250
Flammability Rating (UL94)	-	V-0
Thermal Conductivity at 23°C (W/m.K)	-	-
ELECTRICAL		
Electric Strength (kV/mm)	60243	-
Surface Resistivity (ohms)	60293	10 ⁵ - 10 ⁹
Volume Resistivity (ohm.cm)	60293	10 ⁶ - 10 ¹⁰

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.