



R-GUARD™ HT-7

Static Dissipative Polyether-Imide / Static Dissipative Ultem



** R-GUARD® is the registered trademark of

WPS INTERNATIONAL

PRODUCT CAPABILITIES:

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

ADVANTAGES:

- Reinforced With Microscopic Carbon Nanotubes
- Static Dissipative Material
- No Sloughing
- Minimize Warpage
- Very Good Dimensional Stability
- Fast Static Decay
- Extremely Easy To Machine

PRODUCT COLORS:

- Black

APPLICATIONS INCLUDE:

- Disk Drive Manufacturing Equipment / Jig / Fixture
- Semiconductor And IC Assembly Fixture

GENERAL PROPERTIES	ASTM or UL Test	R-guard™ HT-7 Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	D792	1.26
Water Absorption, 24 hrs (%)	D570	0.24
MECHANICAL		
Tensile Strength (psi)	D638	9,000
Tensile Elongation at Break (%)	D638	7
Flexural Strength (psi)	D790	15,000
Flexural Modulus (psi)	D790	430,000
Hardness, Rockwell	D785	R120
IZOD Notched Impact (ft-lb/in)	D256	2
THERMAL		
Coeff. of Thermal Expansion (x 10 ⁻⁵ in./in./°F)	D696	2.8
Heat Deflection Temp (°F / °C) @ 264 psi	D648	390 / 199
Max Operating Temp (°F / °C)	-	340 / 171
Flammability Rating	UL94	V-O
ELECTRICAL		
Surface Resistivity (ohms/cm) @10 Volts	EOS S11.11	10 ⁶ - 10 ⁹
Surface Resistivity (ohm-cm) @ 100 Volts	EOS S11.11	10 ⁶ - 10 ⁸
Volume Resistivity (ohm-cm) @ 10 Volts	STM 11.12	10 ⁶ - 10 ⁹
Volume Resistivity (ohm-cm) @ 100 Volts	STM 11.12	10 ⁶ - 10 ⁸
Static Decay (Seconds)	FTMS-101C	0.002

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.

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