



TYPICAL PROPERTIES & SPECIFICATIONS SHEET

conductive containers, inc.

DESCRIPTION: Inherently Dissipative TPU
Permanent

APPLICATION: Thermoforming
Long Term Use

CCI PART NUMBER: KleanStat Flex TPU

PROPERTY	VALUE (U.S.)	TEST METHOD
Volume Resistivity	10 ⁸ -10 ¹⁰ Ohms/cm	ESD S11.12
Surface Resistance	10 ⁸ -10 ¹⁰ Ohms/sq	ESD S11.11(12% RH)
Static Decay Rate (+5000V-50V)	0.01 Sec	FTMS 101-C (12% RH)
Static Decay Rate (-5000V-50V)	0.01 Sec	FTMS 101-C (12% RH)
Static Decay Rate (+1000V-100V)	0.1 Sec	FTMS 101-C (12% RH)
Host Polymer	TPU	-----
Filler	IDP	-----
Color	Transparent	Visual
Specific Gravity	1.16 g/cc	ASTM D-792
Tensile Modulus (@ 100%)	1,200 psi	ASTM D-412
Tensile Modulus (@ 300%)	2,200 psi	ASTM D-412
Tensile Strength (Break)	3,800 psi	ASTM D-412
Tensile Elongation (Break)	450%	ASTM D-412
Shore Hardness	90 A/47 D Shore	ASTM D-2240

CHARACTERISTICS:

- Inherently Static Dissipative
- Melting Temperature: 355 °F
- Ultra-clean: low off-gassing and low ionic contamination
- Rated for 75 °C repeated use
- Available Gauges: .015-.040

APPLICATIONS:

- Medical device packaging
- Electronic component handling
- Hard disk drive component packaging
- Superior cushioning
- Curtain and divider solution

All values are for pre-formed materials. Electrical values will vary with each individual design.

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