



TYPICAL PROPERTIES & SPECIFICATIONS SHEET

conductive containers, inc.

DESCRIPTION: Inherently Static Dissipative
Acrlic-Styrenic

APPLICATION: Thermoforming
Long Term Use

CCI PART NUMBER: CCI 840

PROPERTY	VALUE (U.S.)	TEST METHOD
Volume Resistance	$\leq 10^{11}$	ANSI/ESD STM11.12-2021
Surface Resistance	$\leq 10^9$	ANSI/ESD STM11.12-2022
Static Decay Rate (1000V-100V)	0.8 Sec	CPM (12% RH)
Static Decay Rate (1000V-10V)	2.0 Sec	CPM (12% RH)
Host Polymer	MS-Resin	-----
Filler	IDP	-----
Color	Natural	Visual
Specific Gravity	1.14 g/cc	ASTM D-792
Tensile Modulus	301,000 psi	ASTM D-882
Tensile Strength (Yield)	4,820 psi	ASTM D-882
Tensile Elongation (Break)	19%	ASTM D-882
Flexural Modulus	229,000 psi	ASTM D-790
Heat Deflection Temp @ 66 psi	185 °F	ASTM D-648

CHARACTERISTICS:

- Inherently Static Dissipative
- Humidity insensitive
- Ultra-clean: low off-gassing and low ionic contamination
- Durable
- Available Gauges: .125-.150

APPLICATIONS:

- Medical device packaging
- Electronic component handling
- Hard disk drive component packaging

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

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