



**CORSTAT™ SPECIFICATIONS**

**1.0 Scope**

This specification describes the electrical, chemical and mechanical characteristics of CORSTAT™ ANSI/ESD-S541 and ANSI/ESD S20.20 compliant.

**2.0 Electrical**

- 2.1 Surface Resistance (per ANSI/ESD STM11.11)
  - 2.1.1 Buried Shielding-layer Ohms 10<sup>3</sup> -10<sup>4</sup> ohms
  - 2.1.2 Outer Dissipative-layer Ohms 10<sup>4</sup> -10<sup>6</sup> ohms
- 2.2 Electrostatic Decay Rate (Per EIA-541) Avg. 0.01 sec.
- 2.3 ESD Shielding - Capacitive Probe Test Avg. 16.94nJ
- 2.4 Triboelectric Charge Generation - low

**3.0 Chemical**

- 3.1 Corrosivity
  - 3.1.1 Reducible Sulphur .00035%  
(.0008% nontarnishing to silver, solder and copper per TAPPI-406)
  - 3.1.2 Amines None
  - 3.1.3 Galvanic Reaction None

**4.0 Mechanical**

- 4.1 Kraft Paper Stock Base Fiberboard
- 4.2 Rub Resistance, Shielding Layer (Per Sutherland Ink Rub Test) Excellent
- 4.3 Shelf Life 10 Years
- 4.4 Cracking Corstat® will not lose continuity above 10<sup>5</sup> ohms/sq. when flexed at score line 10 times in a 180° motion.
- 4.5 Printability Excellent
- 4.6 Humidity Dependence No effect on electrical properties
- 4.7 Identification
  - 4.7.1 ESD Shielding Indication
  - 4.7.2 Date of Manufacturing
  - 4.7.3 Recyclable

**Warranty**

Conductive Containers, Inc. guarantees CORSTAT™ to be free from defects in material and workmanship. Specifications and technical information presented are based on testing methods believed to produce accurate results. Conductive Containers, Inc.'s only obligation will be to replace or repair any CORSTAT™ products proved to be defective at time of shipment. Conductive Containers, Inc. will not be liable for any injury, loss or damage direct or consequential, arising out of the use or the inability to use the products. Before using, user shall determine the suitability of the product for the intended use, and user shall assume risk and liability in connection herewith.

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