



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 10³ -10⁴ ohms
 - 2.1.2** Outer Dissipative-layer Ohms 10⁴ -10⁶ ohms
- 2.2** Electrostatic Decay Rate Avg. 0.01 sec.
(Per EIA-541)
- 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% no tarnishing 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 Excellent
(Per Sutherland Ink Rub Test)
- 4.3** Shelf Life 10 Years
- 4.4** Cracking Corstat® will not lose continuity above
10⁵ 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

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