



Central Package & Display  
3901 85th Ave N  
Minneapolis, MN 55443-1907  
Ph 763.425.7444  
Fax 763.425.8008  
centralpackage.com

# CPD STAT 100

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CPD STAT 100 is a strong, abrasion resistant material offering excellent electrostatic shielding properties. The metal-in, five layer construction provides superior protection from punctures and tears.

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## ELECTRICAL PROPERTIES

EMI SHIELDING (MIL-PRF-81705D) (1 - 10 GHz)	> 10 db
RESISTIVITY - CONDUCTIVE METAL LAYER (ASTM D-257)	< 50 Ohm/in. <sup>2</sup>
SURFACE RESISTIVITY (OUTER/INNER) (ASTM D-257)	< 10 <sup>12</sup> Ohm/in. <sup>2</sup>
ELECTROSTATIC DECAY (FTMS 101C) (5000 to 0 V)	< 0.03 sec.
CAPACITIVE PROBE TEST (EIA 541)	< 20 V
CHARGE GENERATION (nC/in.2)	TEFLON: -0.09 QUARTZ: +0.10

## PHYSICAL PROPERTIES (NYLON / FOIL / ASPE)

TOTAL THICKNESS (TAPPI 411)	2.8 mil
LIGHT TRANSMISSION (ASTM D-1003-77)	40% +/-5%
TENSILE STRENGTH (TAPPI T494)	MD: 5800 lb./in. <sup>2</sup> TD: 6600 lb./in. <sup>2</sup>
TEAR STRENGTH (D1004-66 NOTCHED)	MD: 2.5 lbs. TD: 2.0 lbs.
BURST STRENGTH (FTMS 191-C METHOD 5122)	50 lb./in. <sup>2</sup>
PUNCTURE STRENGTH (FTMS 101-C METHOD 2065.1)	> 12 lbs.
MOISTURE VAPOR TRANSMISSION RATE (ASTM F-1249)	0.3 gr./100 in <sup>2</sup> 24 hrs.
OXYGEN TRANSMISSION RATE (ASTM D-3985)	0.5 cc/100 in <sup>2</sup> 24 hrs.

Central Package & Display makes no warranty, expressed or implied, as to the suitability of these materials for any specific use. The values shown above were developed from random samples taken from production material. We believe them to be typical for the product. Actual values may vary somewhat from those depicted here. Customers should determine product suitability based upon their own internal criteria.