



CP STAT 100™

CP STAT 100 is a strong, abrasion resistant material offering excellent electrostatic Faraday Cage shielding properties to provide a safe environment for static sensitive devices. With 40% light transparency, it allows for easy identification of the package components. Designed to protect hard drives, memory modules, processors and other sensitive IC's and populated circuit boards.

The metal-in, five layer lamination provides superior protection from punctures and tears. Our bags are printed with a thermal transfer process which does not damage the electrical and physical integrity of the bag. Available in three styles - recloseable lip & tape, zipper, and flat, which is heat-sealable.

Standard References: ANSI/ESD S11.4 Level 3, ANSI/ESD S541 and ANSI/ESD S20.20.



FEATURES:

- Ideal for the packaging of computer components and other populated circuit boards.
- Extremely durable buried metal construction provides Faraday Cage performance needed to shield against static charges.
- Contains no amines or amides. N-octanoic acid free and polycarbonate compatible.
- Custom 6-color printing and thermal transfer printing available.
- Available in three styles: recloseable lip & tape, zipper, and flat.
- Available in side gusset, bottom gusset, and T-Seal configurations.
- Lead-free RoHS 2, REACH and Conflict Minerals compliant.

CALTEX PLASTICS INC.



CP STAT 100™

SPECIFICATIONS - Typical Values

ELECTRICAL PROPERTIES

EMI SHIELDING (MIL-PRF-81705 Rev.E)	> 10 db Between 1 & 10 GHz
RESISTIVITY-CONDUCTIVE METAL LAYER (ASTM D-257):	< 50 Ohms/sq.in.avg. (5X10 ¹ Ohms/sq)
SURFACE RESISTANCE (BOTH SURFACES) (ASTI/ESD STM 11.11)	< 1x10 ⁵ to 1x10 ¹¹ Ohms
STATIC DECAY (FTMS 101C, METHOD 4046.1 5000 TO 0 Volts):	< 0.03 seconds
CAPACITIVE PROBE TEST (HIGH VOLTAGE DISCHARGE) - (EIA-std 541/APPENDIX E-1 KV):	< 20 Volts
CHARGE GENERATION-NOMINAL (MODIFIED INCLINE PLANE AVG. nC/sq.in.):	
TEFLON:	- 0.09
QUARTZ:	+ 0.10

PHYSICAL PROPERTIES

TOTAL THICKNESS:	2.8 mils
LIGHT TRANSMISSION (ASTM D-1003-77):	40% +/- 5%
TENSILE STRENGTH (ASTM D882-83 METHOD A)	MD: 5800 psi TD: 6600psi
TEAR STRENGTH (D1004-66 - NOTCHED)	MD: 2.5 lbs. TD: 2.0 lbs.
BURST STRENGTH (FTMS 191-C METHOD 5122)	50psi
PUNCTURE STRENGTH (FTMS 101-C METHOD 2065.1)	> 12 lbs.
ELONGATION (ASTM D822-83 METHOD A)	MD: 80% TD: 85%
HEAT SEAL STRENGTH (D-1876-72 VERTROD BAR SEALER/HEAT & DWELL 5.5):	> 14 lbs./in width (rm.temp)
MVTR (ASTM F-1249 @ 100°F 100 sq. in./24hrs):	< 0.3 gms - nominal
OTR (ASTM D-3985/100 sq. in./24 hrs.):	0.50cc

HEAT SEAL SPECIFICATIONS

RECOMMENDED TEMPERATURE:	250 - 400°F
DWELL TIME:	0.5 - 3.0 seconds
PRESSURE:	35 - 80 psi
TYPICAL SEAL STRENGTH:	DESTRUCTIVE BOND

BAG SPECIFICATIONS

BAG SIZE TOLERANCE:	+/- 1/8"
BOTTOM CONSTRUCTION:	FOLD OVER
SIDE SEALS:	3/8"

Caltex Plastics 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.

CALTEX PLASTICS INC. Quality Poly Bags and Barrier Pouches
for Electronics, Military, Foods and Industry

2110 E. 51st Street • Vernon, CA 90058 • (323) 583-4140 • (800) 584-7303 • Fax (323) 583-8402
E-Mail: jim@caltexplastics.com • Website: www.caltexplastics.com