



CP STAT 100™

Because the metal layer is buried between polyester and polyethylene films, CP STAT 100™ exhibits superior durability. Its five layer construction provides excellent protection from puncture and tears.

SPECIFICATIONS - Typical Values

Electrical Properties

EMI Shielding: (MIL-B-81705D)	>10 db Between 1 & 10 GHz
Resistivity-Conductive Metal Layer (ASTM D-257):	<50 Ohms/sq. in. avg. (5x10 ¹⁰ Ohms/sq)
Surface Resistivity (both surfaces) (ASTM D-257 @ 12%RH):	<10 ¹² Ohms. sq. in.
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:	3.0 mils
Light Transmission (ASTM D-1003-77):	40% +/- 5%
Tensile Strength (ASTM D882-83 Method A)	MD: 5800 psi TD: 6600 psi
Tear Strength (D1004-66 - Notched)	MD: 2.5 lbs. TD: 2.0 lbs.
Burst Strength (FTMS 191-C Method 5122)	50 psi
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 Verrod 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.):	0.50 cc

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

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CP STAT 100™

CP STAT 100™ is the highest quality, but most economically priced static shielding bag available. With 40% light transparency, it allows for easy identification of the IC's and PCB's CP STAT100™ is designed to protect. Over 50 stock sizes in flat and zipper are available for same day shipment.



Features:

- Ideal for packaging of PCB's and IC's.
- Extremely durable buried metal construction gives Faraday Cage performance needed to shield against static charges.
- Available with static dissipative zipper closure, as an alternative to ESD warning labels.
- Meets the electrical and physical requirements of MIL-PRF-81705D TY. III, CL. I and EIA 541.
- Contains no amines or amides, is N-Octanoic acid free and is polycarbonate compatible.
- Custom 6-color printing and hot stamping are available.
- Side gusset, bottom gusset and T-Seal bag configurations.

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