



CP STAT 100M™

CP STAT 100M is a strong, abrasion resistant material offering excellent electrostatic shielding properties. The metal-in, five layer construction provides superior protection from punctures and tears while creating an effective Faraday Cage for protecting microcircuits, sensitive semiconductor devices, sensitive resistors, and associated higher assemblies. Our bags are printed with a thermal transfer process which does not damage the electrical or physical integrity of the bag. CP STAT 100M is on the QPL for MIL-PRF-81705E TY.III CL.2 and is converted in accordance with MIL-DTL-117H.

Meets MIL-PRF-81705E TY.III CL.2, MIL-DTL-117H

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



FEATURES:

- On the QPL for MIL-PRF-81705E TY.III CL.2 and MIL-DTL-117H.
- Static dissipative inner and outer surfaces.
- Extremely durable buried metal construction provides CP STAT 100M the Faraday Cage performance needed to shield against static charges.
- Available in three styles: zipper, recloseable lip and tape, and flat.
- Available in side gusset, bottom gusset, and T-seal configurations.
- Custom 6-color printing and thermal transfer printing are available.
- Free of primary amines, amides and silicone compounds.
- Lead-free RoHS 2, REACH and Conflict Minerals Compliant.

CALTEX PLASTICS INC.



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SPECIFICATIONS - Typical Values

ELECTRICAL PROPERTIES

EMI SHIELDING (MIL-PRF-81705 Rev.E) (1 - 10 GHz)	> 10 dB
SURFACE RESISTANCE (BOTH SURFACES) (ASTI/ESD STM 11.11)	< 1×10^5 to 1×10^{11} Ohms
ELECTROSTATIC DECAY (MIL-STD-3010 Method 4046)	< 2.0 sec.
CAPACITIVE PROBE TEST(EIA 541)	< 25 V
ENERGY TEST - EOS/ESD S11.31	< 10 nJ

PHYSICAL PROPERTIES - (MPET / PE)

TOTAL THICKNESS (ASTM D374)	3.0 mil
OPTICAL DENSITY (DENSITOMETER)	0.4
LIGHT TRANSMISSION (DENSITOMETER)	40%
TENSILE STRENGTH (ASTM D882)	MD 6530 psi TD 5800 psi
MVTR (ASTM 1249-13)	< 0.3 gms / 100 in ² / 24 hrs
OTR (ASTM 3985-05)	< 0.5 cc / 100 in ² / 24 hrs
HEAT SEAL RANGE (ASTM F88-99)	275 F - 500 F
PUNCTURE RESISTANCE (MIL-STD-3010 METHOD 2065)	13.0 lb.
SEAL STRENGTH (ASTM F88-99)	> 14.0 lb.

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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