



CALDRY VF 125™

CALDRY VF 125 is an opaque, high barrier aluminum foil structure which offers excellent puncture resistance. Utilizing the most current laminating technology, CALDRY VF 125 exhibits an extremely low moisture vapor transmission rate and provides full protection against ESD, EMI/RFI, and tribocharging. The interior sealing film is specially formulated to maximize seal strength and eliminate leaks in difficult vacuum applications, such as SMD chip reels, tubes, JEDEC trays, and quad flat packs. Our bags are printed with a thermal transfer process which does not damage the electrical or physical integrity of the bag.

Standard References: ANSI/ESD S11.4 Level 1, ANSI/ESD S541, ANSI/ESD S20.20, and IPC/JEDEC J-STD-033.



FEATURES:

- Lowest MVTR. Protects against damage caused by humidity, moisture, oxygen, odors, and other airborne contaminants.
- Excellent puncture resistance. Durable for vacuum packaging applications.
- Ideal for packaging of disk caddies and SMD chip reels, tubes, JEDEC trays, and quad flat packs.
- Static dissipative inner and outer surfaces.
- Available in Class 100 clean.
- Suitable for vacuum packaging applications requiring nitrogen flushing.
- Date and lot coded for traceability.
- Contains no amines or amides and is N-octanoic acid free.
- Custom 6-color printing and thermal transfer printing available.
- Lead-free RoHS 2, REACH and Conflict Minerals compliant.

CALTEX PLASTICS INC.



CALDRY VF 125TM

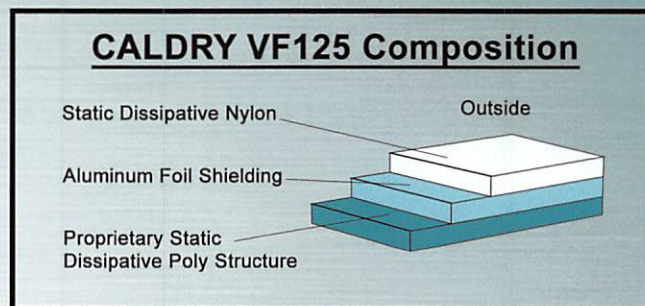
SPECIFICATIONS - Typical Values

ELECTRICAL PROPERTIES

EMI SHIELDING (MIL-PRF-81705 Rev.E)	> 40 db Between 1 & 10 GHz
RESISTIVITY-CONDUCTIVE METAL LAYER (ASTM D-257):	< 10 ² Ohms
SURFACE RESISTANCE (BOTH SURFACES) (ASTI/ESD STM 11.11)	< 1x10 ⁵ to 1x10 ¹¹ Ohms
STATIC DECAY (FTMS 101C) (9000 TO 0 V):	> 0.1 seconds
CAPACITIVE PROBE TEST (EIA 541):	< 10 Volts, <20 milliseconds.
CHARGE GENERATION-NOMINAL (nC/in. ²):	
TEFLON:	- 0.03
QUARTZ:	+ 0.10

PHYSICAL PROPERTIES

TOTAL THICKNESS (TAPPI 411):	6.0 mils
LIGHT TRANSMISSION (ASTM D-1003-77):	< 0.01%
TENSILE STRENGTH (TAPPI T494)	MD > 29 lb./in. TD > 24 lb./in.
ELMENDORF TEAR STRENGTH (TAPPI T414)	MD > 150 gm. TD > 170 gm.
MULLEN BURST STRENGTH (TAPPI T403)	72 lb./in. ²
PUNCTURE STRENGTH (ASTM D-2065)	> 20 lb.
WATER VAPOR TRANSMISSION RATE (ASTM F-1249)	< 0.3 gms./ 100 in ² / 24 hrs.
HEAT SEAL STRENGTH (375°F, 0.75 sec., 60 psi):	> 14 lbs./in.



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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