

Data Sheet

STATIC DISSIPATIVE  
TRANSPARENT SHIELDING BAGS

Codes: CCL/SDTSB/--- (see below)

Manufactured from conductive buried aluminium shield layer  
between two polymeric plastic layers; exposed surfaces static dissipative.  
This polycarbonate compatible material contains no amines, amides or N-Octanoic acid

The transparent nature of the material allows the item/pcb or component to be seen  
and quickly identified without removal from the bag thus minimising the dangers of  
damage caused by any accidental electro-static discharge.

Construction/Composition: (from outermost to innermost layer) Static dissipative  
layer/transparent metallized polyester/adhesive/polyolefin/static dissipative layer

Physical Properties:

Yield (per pound)	:	8,750 sq.in
Total Thickness	:	3.1 mils (77 micron)
Colour	:	Transparent / silver
Tensile strength (ASTM D882-91, Method A)	:	MD: 5800psi TD: 6600psi
Tear Strength (D 1004-94-Notched)	:	MD: 2.5 lbs TD: 2.0lbs
Elongation (ASTM D882-91, Method A)	:	MD:80% TD: 85%
Burst strength (FTMS 101 C, Method 2007 1a)	:	50 psi
Puncture strength (FTMS 101C, Method 2065.1)	:	>12 lbs
Heat Seal Strength (D1876-93)	:	14 lbs/in width (room temp)
MVTR (ASTM F-1249 @ 100°F/100 sq in/24 hrs)	:	0.3gms - nominal
Light Transmission (ASTM D-1003-92)	:	40% +/- 5%

Electrical Properties:

EMI Shielding (Mil-B-81705C)	:	>10dB between 1 & 10 Ghz
Resistivity - (Conductive Metal Layer - ASTM D-257)	:	< 50 ohms/sq.
Capacitive Probe Test (EIA-Std 541/Appendix E - 1KV)	:	<20 volts (High Voltage Discharge)
Static Decay (FTMS 101C, Method 4046.1, 5000 to 0 Volts)	:	< 0.03 sec
Surface resistivity (both surfaces - ESO11.11 @ 12%RH)	:	<10 <sup>12</sup> Ohms/sq (10 <sup>10</sup> Ohm/sq typical)
Charge Generation nominal - nC/sq.in	:	Teflon : - 0.09 Quartz : + 0.19



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Chiltern Connections Ltd supplying  
products and services throughout  
the electronics production industry



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Registered in England  
No 2476963

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Codes and Sizes

<u>Item</u>	<u>Code</u>	<u>Size :</u>	<u>mm</u>	<u>/</u>	<u>inches</u>
1	CCL/SDTSB/0305	75mm x 125mm		/	3" x 5"
2	CCL/SDTSB/0404	100mm x 100mm		/	4" x 4"
3	CCL/SDTSB/0406	100mm x 150mm		/	4" x 6"
4	CCL/SDTSB/0508	125mm x 200mm		/	5" x 8"
5	CCL/SDTSB/0610	150mm x 250mm		/	6" x 10"
6	CCL/SDTSB/0616	150mm x 400mm		/	6" x 16"
7	CCL/SDTSB/0626	150mm x 650mm		/	6" x 26"
8	CCL/SDTSB/0810	200mm x 250mm		/	8" x 10"
9	CCL/SDTSB/0812	200mm x 300mm		/	8" x 12"
10	CCL/SDTSB/1012	250mm x 300mm		/	10" x 12"
11	CCL/SDTSB/1014	250mm x 350mm		/	10" x 14"
12	CCL/SDTSB/1216	300mm x 400mm		/	12" x 16"
13	CCL/SDTSB/1618	400mm x 450mm		/	16" x 18"
14	CCL/SDTSB/1824	450mm x 600mm		/	18" x 24"

All information given in good faith but without warranty

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