

STATIC SHIELDING BAGS

20-87x-xxxx, 20-771-xxxx

- Metal-In static shielding bags made out of polyester/polyethylene films for packaging ESD sensitive devices.
- Faraday cage effect.
- Semi-transparent for easy identification of the content.
- Heat sealable, those bags are available with or without zip.
- Bags can be closed temporarily with ESD warning label.

Film construction*:

Dissipative coating
Polyester
Aluminium
Polyethylene
Dissipative coating

Standard compliance:

IEC 61340-5-1
RoHS 2011/65/EU
Reach 1907/2006/CE



	Material and features 20-771-xxxx	Material and features 20-87x-xxxx
Thickness	50µm (2 mil. Inch) +/- 10%	76µ (3 mil. Inch) +/- 10%
Tensile strength	MD > 5500 psi / TD > 5500 psi (ASTM D-882-91, method A)	MD > 5000 psi / TD > 5500 psi (ASTM D-882-91, method A)
Tear strength	MD > 2.0 lbs / TD > 2.8 lbs (ASTM-D-1004-94)	MD > 2.0 lbs / TD > 2.8 lbs (ASTM-D-1004-94)
Puncture strength	> 10 lbs (FTMS 101C, Method 2065.1)	> 12 lbs (FTMS 101C, Method 2065.1)
MVTR	< 0.35 gram/100 in ² / 24H (ASTM-F1249)	< 0.25 gram/100 in ² / 24H (ASTM-F1249)
Light transmission	40% (+/-5%)	40% (+/-5%)
Heat sealable	250/375°F; 0.5 to 3.5 sec. 30 to 70 psi	250/375°F; 0.5 to 3.5 sec. 30 to 70 psi
Warranty period and Storage conditions**	3 years (environment ≤ 30°C/60%RH) 3 years (environment ≤ 40°C/90%RH)	

Electrical properties:

Surface resistance:	< 10e11 Ohm (both surface), IEC 61340-5-1
Volume resistance:	< 10e11 Ohm (both surface), IEC 61340-5-1
Static shielding:	< 20 nJ (ANSI/ESD S11.31)
Static shielding:	Capacitive probe < 25V (EIA541)

Bag specifications:

Dimensions (for zi bags):	From 76x76mm to 914x762mm
Dimensions (for non-zip bags):	From 50x100mm to 1000x762mm
Seal sizes:	≤ 12 mm
Printing:	Standard with ESD requirements, approx. 50x50mm, Yellow or Black. Date code (YYMM).
Quantity per pack:	100

*There may be color variations but all ESD properties are guaranteed **Subcondition: packaging should not be perforated.

Standard Sizes

All bags dimensions are internal dimensions.
The 1st dimension is the opening, the 2nd is the height.

Internal Dimension		Thickness 50μ	Thickness 76μ	
mm	inch	Without Zip	Without Zip	With Zip
51 x 76	2 x 3	–	20-871-0203	–
76 x 80	3 x 3	–	–	20-872-0303
76 x 102	3 x 4	20-771-0304	20-871-0304	–
76 x 127	3 x 5	20-771-0305	20-871-0305	20-872-0305
102 x 152	4 x 6	20-771-0406	20-871-0406	20-872-0406
102 x 660	4 x 26	–	20-871-0426	–
102 x 762	4 x 30	–	20-871-0430	–
127 x 203	5 x 8	20-771-0508	20-871-0508	20-872-0508
152 x 203	6 x 8	20-771-0608	20-871-0608	20-872-0608
152 x 254	6 x 10	20-771-0610	20-871-0610	20-872-0610
152 x 356	6 x 14	–	20-871-0614	–
152 x 660	6 x 26	–	20-871-0626	–
203 x 254	8 x 10	20-771-0810	20-871-0810	20-872-0810
203 x 305	8 x 12	–	20-871-0812	20-872-0812
203 x 406	8 x 16	–	20-871-0816	–
254 x 305	10 x 12	–	20-871-1012	20-872-1012
254 x 356	10 x 14	–	20-871-1014	–
254 x 610	10 x 24	–	20-871-1024	–
254 x 660	10 x 26	–	20-871-1026	–
279 x 381	11 x 15	–	20-871-1115	20-872-1115
305 x 305	12 x 12	–	–	20-872-1212
305 x 406	12 x 16	–	20-871-1216	20-872-1216
305 x 457	12 x 18	–	20-871-1218	20-872-1218
356 x 356	14 x 14	–	20-871-1414	–
356 x 457	14 x 18	–	20-871-1418	20-872-1418
381 x 457	15 x 18	–	20-871-1518	–
406 x 610	16 x 24	–	20-871-1624	–
457 x 457	18 x 18	–	20-871-1818	20-872-1818
457 x 610	18 x 24	–	20-871-1824	–
508 x 660	20 x 26	–	20-871-2026	–

Options:

Customized sizes available on request.
Customized printing on request.

Made in:
Europe