

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
Reach



| | 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 61340-2-3 |
| Volume resistance: | < 10e11 Ohm (both surface), IEC 61340-2-3 |
| Static shielding: | < 20 nJ (ESD S11.31) |
| Static shielding: | Capacitive probe < 25V (EIA541) |
| Static decay time: | < 0.05 seconds |

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