

STATIC SHIELDING FILM

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

Metal-In static shielding bags made out of polyester/polyethylene films for packaging ESD sensitive devices. Heat sealable, those bags are available with or without zipper.

Film construction :

Dissipative coating
Polyester
Aluminium
Polyethylene
Dissipative coating

Standard compliance :

IEC 61340-5-1
94/62/EC & 2002/95/EC
(RoHS directives)
MIL-PRF-81705D



Material and features 20-771-xxxx

Material and features 20-87x-xxxx

	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 ≤ 30C/60%RH) 3 years (environment ≤ 40C/90%RH)	3 years (environment ≤ 30C/60%RH) 3 years (environment ≤ 40C/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: < 50 nJ (ESD S11.31)
Static shielding: Capacitive probe < 25V (EIA541)
Static decay time: < 0.05 seconds

Bag specifications:

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

Dimensions (for zipper bags): from 76x76mm to 914x762mm
Dimensions (for non-zip bags): from 50x100mm to 1000x762mm
Seal sizes: ≤ 6mm
Printing: Standard with ESD requirements, approx 50x50mm,
Yellow or Black. Date code (YYMM).

Options:

Standard sizes available from stock, customized sizes available on request
Customized printing on request.

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*Subcondition: packaging should not be drilled