

## 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 :

<b>Dissipative coating</b>
<b>Polyester</b>
<b>Aluminium</b>
<b>Polyethylene</b>
<b>Dissipative coating</b>

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**

	<b>Material and features 20-771-xxxx</b>	<b>Material and features 20-87x-xxxx</b>
<b>Thickness</b>	50µm (2 mil. Inch) +/- 10%	76µ (3 mil. Inch) +/- 10%
<b>Tensile strength</b>	MD > 5500 psi / TD > 5500 psi (ASTM D-882-91, method A)	MD > 5000 psi / TD > 5500 psi (ASTM D-882-91, method A)
<b>Tear strength</b>	MD > 2.0 lbs / TD > 2.8 lbs (ASTM-D-1004-94)	MD > 2.0 lbs / TD > 2.8 lbs (ASTM-D-1004-94)
<b>Puncture strength</b>	> 10 lbs (FTMS 101C, Method 2065.1)	> 12 lbs (FTMS 101C, Method 2065.1)
<b>MVTR</b>	< 0.35 gram/100 in <sup>2</sup> / 24H (ASTM-F1249)	< 0.25 gram/100 in <sup>2</sup> / 24H (ASTM-F1249)
<b>Light transmission</b>	40% (+/-5%)	40% (+/-5%)
<b>Heat sealable</b>	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

**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 20x30mm to 1000x762mm  
Seal sizes: ≤ 6mm  
Printing: Standard with ESD requirements, approx 50x50mm, Yellow. Date code (YYMM).

**Options:**

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