

# STATIC SHIELDING FILM

## Q3BU02XXXX, P30XXX

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 &amp; 2002/95/EC

(RoHS directives)

MIL-PRF-81705D

	MATERIAL AND FEATURES	MATERIAL AND FEATURES
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	(FTMS 101C, Method 2065.1)	> 12 lbs (FTMS 101C, Method 2065.1)
MVTR	< 0.35 gram/100 in <sup>2</sup> / 24H (ASTM-F1249)	< 0.25 gram/100 in <sup>2</sup> / 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
Shelf life	3 Years	

### ELECTRICAL PROPERTIES

Surface resistance:	< 10 <sup>11</sup> 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. Date code (YYMM)

### OPTIONS

Standard sizes available from stock, customized sizes available on request

Customized printing on request.