

EP0701383-ESD-Shielding and moisture protection bag

General properties

Properties	Parameters
Material / Structure	High Shielding Barrier Laminate PET/met/PE
Tape of Product	Open Bag, 3D, Tape, Sleeve, Half Sleeve
Qty of seals	3 seals
Color	Silver
Overprint	Information sign ESD / Black Color
According with norms	IEC 61340-5-1; IEC 61340-5-3; IEC 61340-4-8; IEC 61340-2-3
According with directiveRoHS	SGS raport nr. TR923729
The period of validity ***	12 months***

Physicochemical properties*

Properties	Test Methods	Unit	Typical value
Thickness	MB/MW/03 PN-ISO 4593	µm	90 ±8%
Size tolerance	PN-ISO 4593	mm	±10
Surface resistance inside	IEC 61340-2-3	Ω	< 1 x 10 ¹¹
Surface resistance outside	IEC 61340-2-3	Ω	< 1 x 10 ¹¹
Static Shielding properties	IEC 61340-4-8	nJ	< 10nJ
Adhesion strength PET/PE	MB/MW/15 ASTM D 882	N/mm ²	2,0
Sealing strength	MB/MW/07	N/15mm	18
Coefficient of friction	MB/MW/08 ASTM D 1894	-----	0,30
Oxygen transmission**	ASTM D-3985	Cm ³ /m ² 24h bar	96,6
Water vapour transmission** MVTR	ASTM F-1249-13	g/m ² 24h	0,522

*Properties were studies on sample shielding MBB material ESD; ** Theoretical calculations;*** validity is typical for this type of material and depends of place, environment conditions, using methods.

Static Shielding properties of the shielding-bag

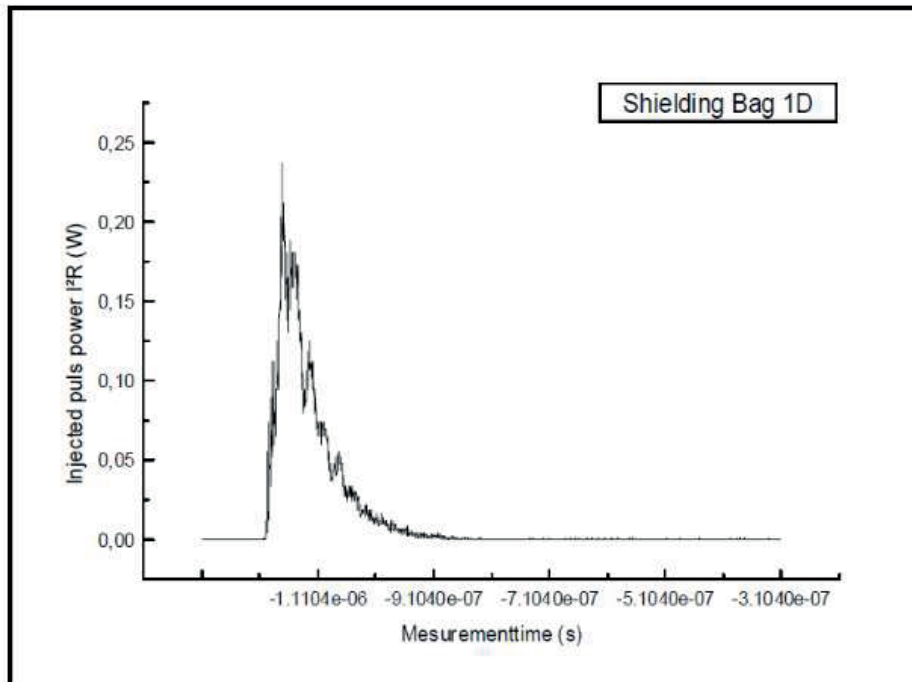


Image 3: Begin of the roll with an injection energy of **3.8 nJ**

Limits

Electrostatic shielding HBM puls outside 1 kV, E = 50 μ J, inside of the bag

E \leq 10 nJ.