

## Technical Information

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**Part No.:** 3310.HS.x



◆ Untere Gießwiesen 21 ◆ 78247 Hilzingen ◆ Tel.: +49-7731-86880 ◆ Fax: +49-7731-868830

# HIGHSHIELD - Metallized ESD Shielding Bag

(Part No.: 3310.HS.x )



- Complies with EN 61340-5-1
- "Metal-In" construction for electrostatic discharge shielding
- Outer layer - dissipative Polyester
- Aluminium metallized
- Inner layer - dissipative Polyethylene
- Heat sealable
- Standard print:  
Product name, ESD symbol, recycling symbol and LOT-No.
- Complies with RoHS requirements
- Recyclable



### Mechanical properties:

	Values	Test method
Tensile strength	28 N/mm <sup>2</sup>	ASTM D882
Side seal strength	3 N/mm	ASTM D882
Puncture resistance	55 N	FTMS 101 C
Thickness	77µm	ASTM D882
Light transmission	40%	
Metallization	100 Ångstroem	

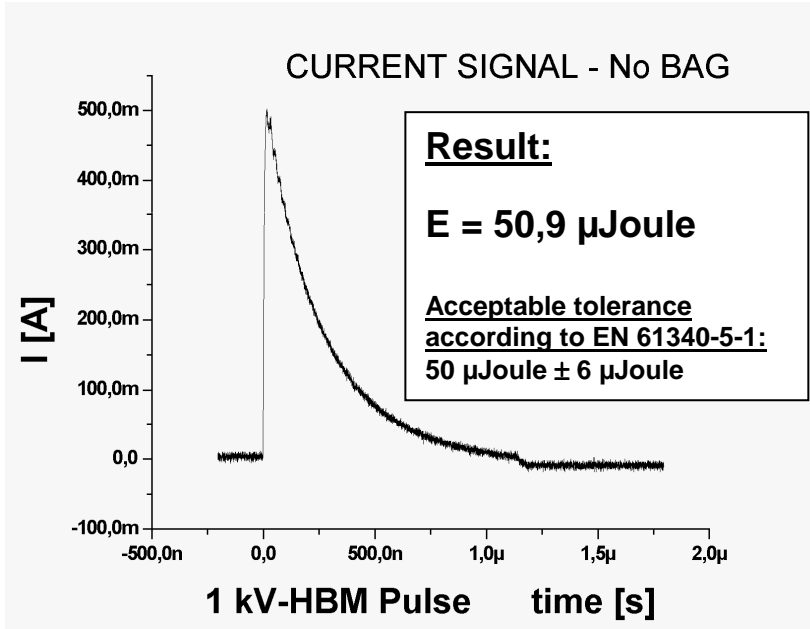
### Electrical properties:

	Test standard	Typical values	Requirements
Surface resistance R <sub>s</sub>	EN 61340-5-1 EN 61340-2-3	10 <sup>10</sup> – 10 <sup>11</sup> Ω	10 <sup>5</sup> ≤ R <sub>s</sub> ≤ 10 <sup>11</sup> Ω EN 61340-5-1
Electrostatic Discharge shielding - Energy E	EN 61340-5-1	< 15 nJ	< 50 nJ EN 61340-5-1
Decay time	EN 61340-5-1 EN 61340-2-1	< 1 sec.	< 2 sec. EN 61340-5-1

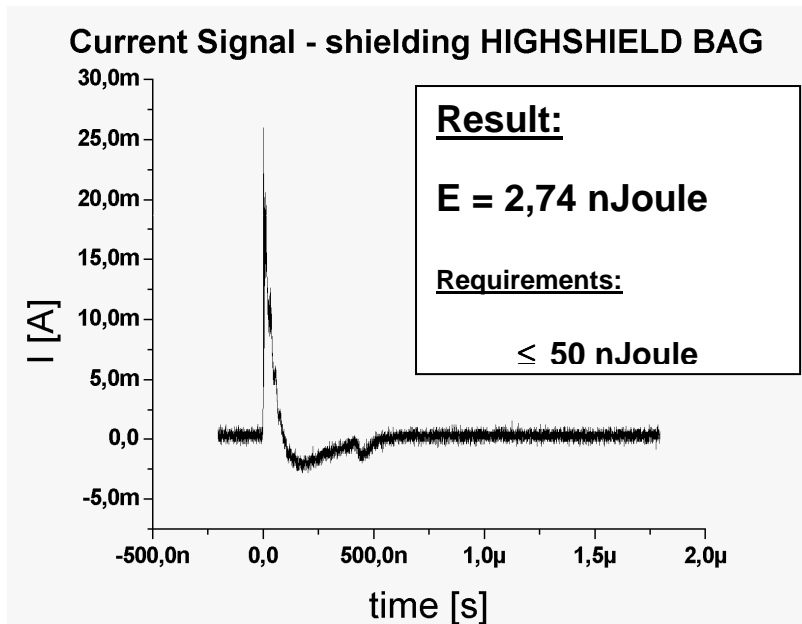
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V1207

**Energy test according to EN 61340-5-1 with 1.000 Volt HBM pulse**



**Current signal – ESD-Simulator without packaging  
(HBM discharge with 1.000 Volts)**



**Current signal – ESD-Simulator with Highshield bag  
(HBM discharge with 1.000 Volt)**