

5.1. Conductive and Dissipative Bags

5.1.1. Shielding Bags

Material thickness:	3,1 mils	
Surface resistance R_S :	inside:	$< 10^9 \dots 10^{\infty} \Omega$
	metal	$< 1 * 10^2 \Omega$
	outside:	$< 10^9 \dots 10^{\infty} \Omega$
Static decay time:	FTMS101 MTH 4046	$< 0.05 \text{ s}$
Charge generation:	Teflon	0.09 nC/sq in.
	Quartz	0.01 nC/sq in.
Shielding:	MIL-B-81705CEIA 541	$< 30 \text{ V}$
	EOS/ESD S11.31	$< 10 \text{ nJ}$
Transparency:	40 %	
Breakdown stability:	$> 25 \text{ lb}$ (ASTM D 882)	

without ZIP - lock

Code	Sizes	
	in inch	in mm
5100.305	3" * 5"	76 mm * 127 mm
5100.404	4" * 4"	102 mm * 102 mm
5100.406	4" * 6"	102 mm * 152 mm
5100.426	4" * 26"	102 mm * 660 mm
5100.508	5" * 8"	127 mm * 203 mm
5100.608	6" * 8"	152 mm * 203 mm
5100.610	6" * 10"	152 mm * 254 mm
5100.626	6" * 26"	152 mm * 660 mm
5100.716	7" * 16"	178 mm * 406 mm
5100.808	8" * 8"	203 mm * 203 mm
5100.810	8" * 10"	203 mm * 254 mm
5100.812	8" * 12"	203 mm * 305 mm
5100.816	8" * 16"	203 mm * 406 mm
5101.012	10" * 12"	254 mm * 305 mm
5101.014	10" * 14"	254 mm * 356 mm
5101.026	10" * 26"	254 mm * 660 mm
5101.216	12" * 16"	305 mm * 406 mm
5101.218	12" * 18"	305 mm * 457 mm
5101.414	14" * 14"	356 mm * 356 mm
5101.418	14" * 18"	356 mm * 457 mm
5101.618	16" * 18"	406 mm * 457 mm
5101.818	18" * 18"	457 mm * 457 mm



1 pack = 100 pieces

with ZIP - lock

Code	Sizes	
	in inch	in mm
5110.305	3" * 5"	76 mm * 127 mm
5110.404	4" * 4"	102 mm * 102 mm
5110.406	4" * 6"	102 mm * 152 mm
5110.508	5" * 8"	127 mm * 203 mm
5110.510	5" * 10"	127 mm * 254 mm
5110.608	6" * 8"	152 mm * 203 mm
5110.610	6" * 10"	152 mm * 254 mm
5110.808	8" * 8"	203 mm * 203 mm
5110.810	8" * 10"	203 mm * 254 mm
5110.812	8" * 12"	203 mm * 305 mm
5111.012	10" * 12"	254 mm * 305 mm
5111.014	10" * 14"	254 mm * 356 mm
5111.216	12" * 16"	305 mm * 406 mm

Special sizes are possible! Minimum quantity on inquiry!

5.1.2. Conductive Bags - black

- Volume conductive polymer film
- Heat weld-able
- Imprint
- Colour: black
- Material thickness: 0,08 mm
- Surface resistance R_S : $<10^5 \Omega$



Bags 1 pack = 100 pieces

Code	Sizes	
	in inch	in mm
5310.305	3" * 5"	76 mm * 127 mm
5310.406	4" * 6"	102 mm * 152 mm
5310.412	4" * 12"	102 mm * 305 mm
5310.424	4" * 24"	102 mm * 610 mm
5310.508	5" * 8"	127 mm * 203 mm
5310.608	6" * 8"	152 mm * 203 mm
5310.610	6" * 10"	152 mm * 254 mm
5310.808	8" * 8"	203 mm * 203 mm
5310.810	8" * 10"	203 mm * 254 mm
5310.812	8" * 12"	203 mm * 305 mm
5311.012	10" * 12"	254 mm * 305 mm
5311.014	10" * 14"	254 mm * 356 mm
5311.018	10" * 18"	254 mm * 457 mm
5311.020	10" * 20"	254 mm * 508 mm
5311.024	10" * 24"	254 mm * 610 mm
5311.115	11" * 15"	275 mm * 380 mm
5311.212	12" * 12"	305 mm * 305 mm
5311.214	12" * 14"	305 mm * 356 mm
5311.216	12" * 16"	305 mm * 406 mm
5311.218	12" * 18"	305 mm * 457 mm
5311.416	14" * 16"	356 mm * 406 mm
5311.618	16" * 18"	406 mm * 457 mm
5311.624	16" * 24"	406 mm * 610 mm
5311.818	18" * 18"	457 mm * 457 mm
5311.824	18" * 24"	457 mm * 610 mm

Tubing 1 roll = 500 m

Code	Sizes	
	in inch	in mm
5310.903	3"	76 mm
5310.904	4"	102 mm
5310.905	5"	127 mm
5310.906	6"	152 mm
5310.908	8"	203 mm
5310.910	10"	254 mm
5310.912	12"	305 mm
5310.914	14"	356 mm
5310.916	16"	406 mm
5310.918	18"	457 mm
5310.920	20"	508 mm

5.1.3. Dri - Shield Moisture Barrier Bags

Material properties:

Electrical

Surface resistance	<10 ¹² Ω / ASTM D257
Static decay time	< 0.03 s / FTMS101 MTH 4046
Charge generation	Teflon 0.03 nC Quartz 0.01 nC
EMI Attenuation	45 db MIL-B-81705C



Mechanical

MVTR	< 0.02 ASTN F1249
Tennille strength	> 40 lbs ASTM D882
Seam strength	pass MIL-B-81705C
Thickness	3.8 mils
Welding conditions	Temperature 300 °F ... 400 °F Time 0.6 ... 4.5 s Pressure 30 ... 70 PSI

Chemical

Out gassing	pass ASTM E595
Non-corrosive	pass FTMS101 MTH 3005
Humidity Indicator Cards	



Code	Sizes in inch
5401.426	4" * 26"
5401.628	6" * 28"
5401.630	6" * 30"
5401.020	10" * 20"
5401.618	16" * 18"
5401.719	17" * 19"
5401.818	18" * 18"

Desiccants

Code	
5710.001	Desiccants pack = 540 pieces

Humidity Indicators

Code	
5702.004	Indicators pack = 100 pieces

SMD – Humitector
Six – Spot HIC
Three Spot HIC

Films, Bags, Binders

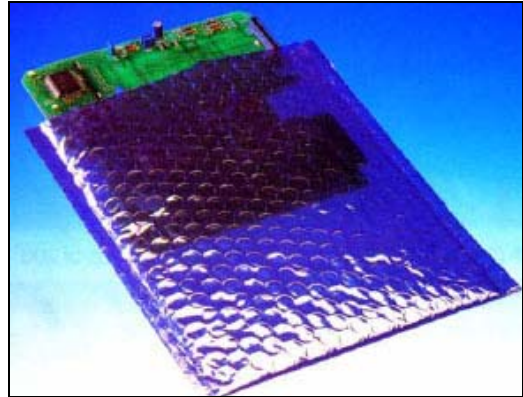
5.1.4. Shielding Bubble Bags

The Shielding bubble bags guarantee an additional mechanical protection. The material properties are the same as in section 5.1.1.

Roll length: 100 m

Code	
5411.060	600 mm width

Bags and cuts are custom-made!



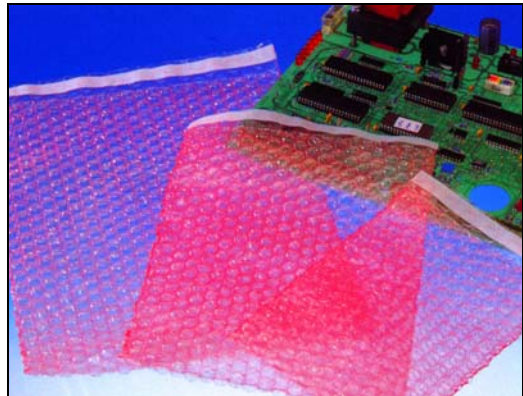
5.1.5. Dissipative Bubble Bags

The dissipative bubble bags guarantee an additional mechanical protection.

Roll length: 100 m

Code	
5500.600	600 mm width

Bags and cuts are custom-made!



5.1.6. Conductive Bubble Bags

The material properties are the same as in section 5.1.2.

Roll length: 100 m

Code	
5312.600	600 mm width

5.2. Document Wallets, Binders

5.2.1. Document Wallets, Document Folders, Document Files

Properties

- Dissipative polypropylene
- Transparent
- Thickness: 150 µm / 220 µm



Document wallet
Code: **5610.040**

Code	Description	Specification
5601.040	Document wallet *	DIN A4 , dissipative, open top, punched hole
5601.043	Document wallet *	DIN A3 , dissipative, open top, punched hole
5601.045	Document wallet *	DIN A5 , dissipative, open top, punched hole
5610.004	Document wallet	DIN A4 , dissipative, open top, punched hole, Thickness: 220 µm
5602.044	Document files *	DIN A4 , two-sided open, without punched hole
5602.045	Document files *	DIN A5 , two-sided open, without punched hole
5605.040	Document folder	DIN A4 , dissipative, with double punched hole, metal-clip

* 1 pack = 100 pieces

5.2.2. Binders



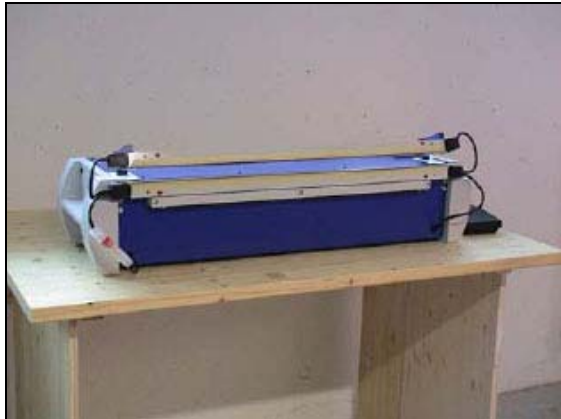
Code	Description
5805.150	DIN A5 2-Ring – 50 mm
5805.110	DIN A4 4-Ring – 15 mm
5805.101	DIN A4 2-Ring – 25 mm
5805.102	DIN A4 4-Ring – 25 mm
5805.107	DIN A4 4-Ring – 38 mm
5805.105	DIN A4 2-Ring – 50 mm
5805.104	DIN A4 4-Ring – 50 mm
5805.132	DIN A3 4-Ring – 25 mm
5805.134	DIN A3 4-Ring – 50 mm

5.2.3. Clipboards

Code	Description
5810.001	Clipboard
5810.002	Clipboard with lid



5.3. Film Welders



Film welders are available for the following sizes

400 mm, 600 mm, 800 mm

Accessories: vacuum top
cutter
deposit table
roll holder

Please require further information!

5.4. Laminate Film

Static control laminate film as solution for **documentations, non-static controlled films and instructions**

Different sizes available



Code	Sizes	
5620.003	297 mm * 420 mm	A3
5620.004	210 mm * 297 mm	A4
5620.005	148 mm * 210 mm	A5