

<b>Vermason</b>		Product Information	No: PIS 048	
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## CONDUCTIVE FILM AND BAGS

Code BP3..

Vermason black conductive film is made of linear low density polyethylene to achieve high toughness and strength. The film is carbon loaded for consistent, non-humidity dependent conductivity. With a surface resistance of less than  $10^5$  ohms per square, this material shields against electrical fields. It has a shelf life measured in years and is resistant to common solvents. Typical film thickness is 72 micron (300 gauge). The material is printed in yellow and meets the requirements of EN 61340-5-1: 2001 and includes the ESD warning triangle. It is sold as layflat tubing on rolls or as bags.

### Typical physical properties

MD = Machine direction CD = Cross direction

Tensile strength	MD	28	kPa	ASTM D882-A
	CD	25	kPa	
Elongation at break	MD	900	%	ASTM D882-A
	CD	1000	%	
Elmendorf tear strength	MD	6	N	ASTM D882-A
	CD	9	N	
Dart drop impact strength		250	gr	ASTM D1709-A
Water vapour transmission rate		>0.8	gr/m <sup>2</sup> 24 hr at 50% rH & 20°C	
Weight		0,07	kg/m <sup>2</sup>	
Roll and bag width tolerance (inside)		+15	mm	
		-2	mm	
Bag length tolerance (inside)		+30	mm	
		-2	mm	

### Typical electrical properties

Surface resistivity	<math>10^5</math> ohm per square	DIN54382
Charge decay time	<math>0.2</math> sec	EIA541 appendix F

### Availability and dimensions

Tubing is available in six standard widths of 3", 4", 6", 8", 10" and 12". Other widths up to 32" (813 mm) are made to order. Standard roll length is 500 m but we will also make to other lengths.

Bags are available in standard sizes 3" x 5", 4" x 6", 6" x 8", 6" x 10", 8" x 10", 8" x 12", 10" x 12", 12" x 16" but here too we are pleased to make other requirements. The first dimension is the width of the opening of the bag, the second is the length of the inside of the bag. The bottom skirt of the bag, i.e. from weld to bottom of the bag is approximately 4 mm.

*For further information, please contact*

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