



## MATERIALS FOR INKJET

**DESCRIPTION: Block-out banner material**  
**PRODUCT CODE: MBBOLPSM545----/050**



### PRODUCT DESCRIPTION:

Material is a pure white 545gr face, which is digitally printable both sides for indoor and outdoor signage.

### APPLICATION:

Especially suited for full colour graphics with typical end uses like banner, billboard, hanging banners, double sided prints or any application where a block-out function is needed.

### USABILITY:

Can be used on most piezo solvent and other solvent/continuous & UV inkjet printers (not suitable for dye and pigment inks). Can also be used in screen printing & self-adhesive vinyl applications

### PRODUCT COMPOSITION:

- Layer 1: High tenacious/low shrinkable polyester fabric
- Layer 2: High quality PVC membrane (blockout)
- Layer 3: Flexible calendared vinyl film (double sided)
- Layer 4: Special anti-UV Starflex PVC formula

### PRODUCT ADVANTAGES:

- Supreme weatherability
- High tear/impact resistance
- Anti-wicking
- Outstanding printability/both sides
- Absolute whiteness
- Smooth, flat surface
- High temperature resistance
- Starflex PVC formula
  - To prevent pollution, assist ink adhesion and slow the plasticizer migration process.
- Treatments - standard
  - U.V. resistant
  - Mildew resistant
  - Anti-oxidant
- Treatments - special (on request)
  - Cold-crack (constant temperature lower than -20 C)
  - Flame retardant (Optional)
  - Wick resistant - not only prevent but stop yarn contamination
  - Extra treatments to increase weatherability and prolong life to exceed the warranty



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### PRODUCT SPECIFICATION:

PROPERTIES	TEST ITEM	UNIT	RESULT
Application			Block-out
Transmittance	ASTM E 424 6.5.2	%	<0.1
Tensile Strength	ISO 13934-1:1999 C.R.E. CUTSTRIP method	KGF/5CM	Warp: 207.5 Weft: 181.5
Tearing Strength	ISO 13937-2:2000 C.R.E. Single tear	KGF	Warp: 15.8 Weft: 16.0
Elongation at break	ISO 13934-2:1999 C.R.E. CUTSTRIP method	%	Warp: 25.3 Weft: 27.0
Adhesion strength	ISO 2411.C.R.E.	KGF/5CM	13
Cold-crack			-20 C
Flexing Endurance at Low temperature	DIN 53351	Cycles	144
Resistance at High Temperature	DIN 53351 80°C, 5 hours	%	Warp: 97.3 Weft: 97.1
Resistance at Low Temperature	DIN 53351 -20°C, 5 hours	%	Warp: 97.8 Weft: 97.7
Resistance to weathering UV B system	ASTM G 53 100 hours		No change
Practice for operating light-exp.	ASTM G 26, METHOD A, Type B	Grade	4
Colour			White/Black/White
Flame retardant pass	California Fire Marshall Small scale 1237		Optional – on request
Determination Resistance of Synthetic Polymeric Materials to Fungi	ASTM G21-1996		0
Mildew resistance	ASTM G21		Pass
Print applicability			Dot
Starflex PVC formula			YES
Anti-oxidant			Yes
Base Fabric	Type	Polyester	1000Dx1000D
Laminated material			PVC
Fabric density		Tread/inch	12 X 12
Finished weight	DIN53352	gr/m <sup>2</sup>	545
Warranty		Years	3

### STORAGE INSTRUCTIONS:

In order to avoid any loss of quality, the M-Jet blockout banner material should be stored in the following conditions:

- Temperature: 10 - 30°C
- Relative Humidity: 35 - 65 %