



K11500 Series Banner Materials

These high quality banner materials have been specially developed for use in the digital imaging industry for a variety of interior and exterior applications. The construction is either polyester or cotton and the various thicknesses mean that there is a suitable product for every application.

These materials are available as: -

Product Code	K11511	K11512	K11513	K11514	K11515 K11535*	K11516	K11517 K11537*	K11518 K11538*	K11519	K11521 K11531*	K11525	K11526
Description	Banner Heavy	Banner Light	Poly Heavy	Poly Light	Poly Silk	Cloth Heavy	Cloth Light	Twill	Canvas	Poly Matt	Vinyl Banner	Backlight
Type	Polyester	Polyester	Polyester	Polyester	Polyester	Cotton	Cotton	Cotton	Cotton	Polyester	Vinyl	Polyester
Thickness (µ)	300	125	375	125	125	400	150	150	350	150	375	175
Finish	Matt	Matt	Gloss	Matt	Gloss	Matt	Matt	Matt	Gloss	Matt	Matt	Matt
Ink Type	D/P	D/P	D	D/P	D	D/P	D/P	D/P	D	D/P	D/P	D/P
Fire Retardant	No	No	No	No	No	Yes	Yes	No	No	No	Yes	Yes
Waterproof	Yes	Yes	No	No	No	No	No	No	No	No	Yes	Yes
Interior Use	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Exterior Use	Yes	Yes	No	No	No	No	No	No	No	Yes	Yes	Yes

Ink Type: - D/P = Dye or Pigment; D = Dye Only; * Material also available with lightweight paper backing for extra print stability.

CHARACTERISTIC

TEST METHOD

TYPICAL VALUE

Material Type		See above
Material Thickness	ISO 4591:1992	See above
Adhesive Type		N/A
Release Liner		N/A
Storage		Two years, out of direct sunlight at 23°C and 50% humidity
Adhesion 20 Mins/90°		N/A
Adhesion 20 Mins/180°		N/A
Adhesion 24 Hrs/90°		N/A
Adhesion 24 Hrs/180°		N/A
Static Shear (25 x 25mm)		N/A
Dimensional Stability (150 x 150mm/48 hours/70°C)	FTM14/Printed Media	<1.0mm
Gloss 60°	ASTM 523-89	See above
Fire Retardancy		K11516 and K11517 only
Artificial Weathering	QUV	N/A
Weathering	Vertical Exposure/Mid Europe	N/A
Rivet Testing	KPMF ST 22	N/A
Application Temperature	Clean, dry surface	N/A
Service Temperature		As printed media
Printing Technology		Piezo and Thermal Inkjet
Laminating		Spray lacquering (when required) on both sides to avoid curling.
Mounting		Acrylic Adhesive (when required).
Finishing		Material can be stretched, sewed or grommeted. (Grommet through at least two layers of material).

KPMF films should not be applied to unsound surfaces or to surfaces which may subsequently crack, peel, outgas or are of low surface energy. It is recommended that any application surface should have an energy level in excess of 40 dyne/cm. (Polyolefins should be in excess of 45 dyne/cm). The above data shows typical properties and should not be taken as a guarantee for performance. Purchasers should determine the suitability of each product prior to its intended use. Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids etc. may eventually cause deterioration. Durability is based on middle European exposure conditions. Actual performance will depend on substrate preparation, exposure conditions and application of marking.

IMPORTANT

Kay Premium Marking Films are produced under stringent manufacturing conditions. The information and typical values shown are based upon research believed to be reliable and are provided without guarantee and do not constitute a warranty. The values are not for use in specifications. Ink and paint systems can affect the performance of film and also the adhesive properties, as can application techniques. Users are advised to ensure that performance and reliability are not compromised by determining the suitability of each product prior to its intended use.

WARRANTY

Kay Premium Marking Films are produced under careful quality control and are warranted to be fit for the purpose and free from defect in material and workmanship. Any material shown to be defective to our satisfaction at the point of sale shall be replaced free of charge. Kay Premium Marking Films Limited liability to the purchaser shall in no circumstances exceed the cost of the amount of the defective material supplied.