



K20300 Over-Laminating Materials

TECHNICAL & PERFORMANCE INFORMATION

K20300

K20300 Series Gloss Over-Laminating Films/K21300 Series Satin & Matt Over-Laminating Films

These high quality over-laminating films have been specially developed for use in the digital imaging industry to permanently enhance and protect the printed media. They offer an economic solution to over-laminating applications by using a water based acrylic adhesive system.

These films are available as :-

	<u>Gloss</u> K20301	<u>Satin</u> K21303	<u>Matt</u> K21306	<u>Texture</u> K21308
Finish	Gloss	Satin	Matt	Rough
Base Film	Polypropylene	Vinyl	Vinyl	Vinyl
Film Thickness	0.0040mm	0.050mm	0.075mm	0.100mm
Adhesive	Aqueous	Aqueous	Aqueous	Aqueous
Release Liner	Acrylic	Acrylic	Acrylic	Acrylic
	Paper	Paper	Paper	Paper

CHARACTERISTIC	TEST METHOD	TYPICAL VALUE
Film Type		See above
Film Thickness	ISO 4591:1992	See above
Adhesive Type		Clear Permanent Water Based Acrylic
Release Liner		See above
Storage		One year, 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	<0.5mm
Gloss 60°	ASTM 523-89	See above
Flammability		Self Extinguishing
Artificial Weathering	QUV	250 hours
Weathering	Vertical Exposure/Mid Europe	6-12 Months
Rivet Testing	KPMF ST 22	N/A
Application Temperature	Clean, dry surface	+8°C to 25°C
Service Temperature		As printed media
Application Speed		0.5 to 2.0 metres/minute

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.

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