



K72101/K72201 Double Sided Clear Premium Cast Vinyl

These premium quality cast vinyl films are intended for use as a transfer medium in digital printing and suitable for use in all exterior marking and signage applications.

The film has the ultimate properties for outdoor durability and is suitable for graphics on original equipment identification, building signage and vehicle graphics to include trucks, recreational vehicles and automobiles. It can also be used for train liveries, boats and as temporary livery on aircraft.

The material is very conformable, being able to be used on smooth, textured and contoured surfaces, and is available in widths of 1.22, 1.37 and 1.52 metres with two liners – Paper and Polyester.

CHARACTERISTIC	TEST METHOD	TYPICAL VALUE
Film Thickness	ISO 4591:1992	0.053mm
Adhesive Thickness	ISO 4591:1992	K72101 0.025mm/0.025mm K72201 0.018mm/0.025mm
Adhesive Type		Clear Permanent Cross-Linking Acrylic
Release Liners		150gsm Plain PE/50-75 Micron Clear Polyester
Winding		Polyester wound on outside of roll (permanent adhesive)
Storage		Two years, out of direct sunlight at 23°C and 50% humidity
Tensile	ISO 527:1996	>13.5N/mm ²
Elongation	ISO 527:1996	>75%
Adhesion 20 Mins/180°	FINAT FTM1/Stainless Steel	650 N/Metre (Adhesive thickness 0.025mm)
Adhesion 20 Mins/180°	FINAT FTM1/Stainless Steel	540 N/Metre (Adhesive thickness 0.018mm)
Adhesion 24 Hrs/180°	FINAT FTM1/Stainless Steel	760 N/Metre (Adhesive thickness 0.025mm)
Adhesion 24 Hrs/180°	FINAT FTM1/Stainless Steel	630 N/Metre (Adhesive thickness 0.018mm)
Static Shear (25 x 25mm)	FINAT FTM8/Stainless Steel	>16 hours
Dimensional Stability (150 x 150mm/48 hours/70°C)	FTM14/Aluminium	<0.4mm
Gloss 60°	ASTM 523-89	N/A
Flammability		Self Extinguishing
Artificial Weathering	QUV	N/A
Weathering	Vertical Exposure/Mid Europe	N/A
Application Temperature	Clean, dry surface	+8°C to 25°C
Service Temperature		-40°C to + 105°C
Adhesion Properties to Various Substrates for 24 hours at 23°C/180° Peel (Adhesive thickness 0.030mm)		
Aluminium - Untreated		920 N/Metre
Aluminium - Anodised		1,000 N/Metre
Stainless Steel		760 N/Metre
Chromed Steel		750 N/Metre
Polyurethane		460 N/Metre
Glass		760 N/Metre
Acrylic Sheet		760 N/Metre
ABS Sheet		640 N/Metre

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.