



K71100 Series Etch Cast Vinyl

This premium quality cast vinyl film is intended for interior and exterior use on glass. The film has the ultimate properties for outdoor durability and is suitable for use on original equipment identification, signage and vehicles. The material is very conformable, can be used on smooth and contoured surfaces. The film is available as:

- K71111 Silver
- K71107 Green

CHARACTERISTIC	TEST METHOD	TYPICAL VALUE
Film Thickness	ISO 4591:1992	0.050mm
Adhesive Thickness	ISO 4591:1992	0.025mm
Adhesive Type		Clear Permanent Cross-Linking Acrylic
Release Liner		150gsm PE Coated Printed Grey
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/90°	FINAT FTM2/Glass	450 N/Metre
Adhesion 20 Mins/180°	FINAT FTM1/Glass	570 N/Metre
Adhesion 24 Hrs/180°	FINAT FTM1/Glass	700 N/Metre
Static Shear	FINAT FTM8/Glass	>16 hours
Dimensional Stability (150 x 150mm/48 hours/70°C)	FTM14/Aluminium	<0.4mm
Gloss 60°	ASTM 523-89	<30%
Flammability		Self Extinguishing
Artificial Weathering	QUV	>1,000 Hours
Weathering	Vertical Exposure/Mid Europe	8 - 10 Years
Application Temperature	Clean, Dry Surface	+8°C to 25°C
Service Temperature		-40°C to + 105°C

Although we have good control of the colour production at KPMF, it is advisable to avoid using different batches of material for the same end application

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.