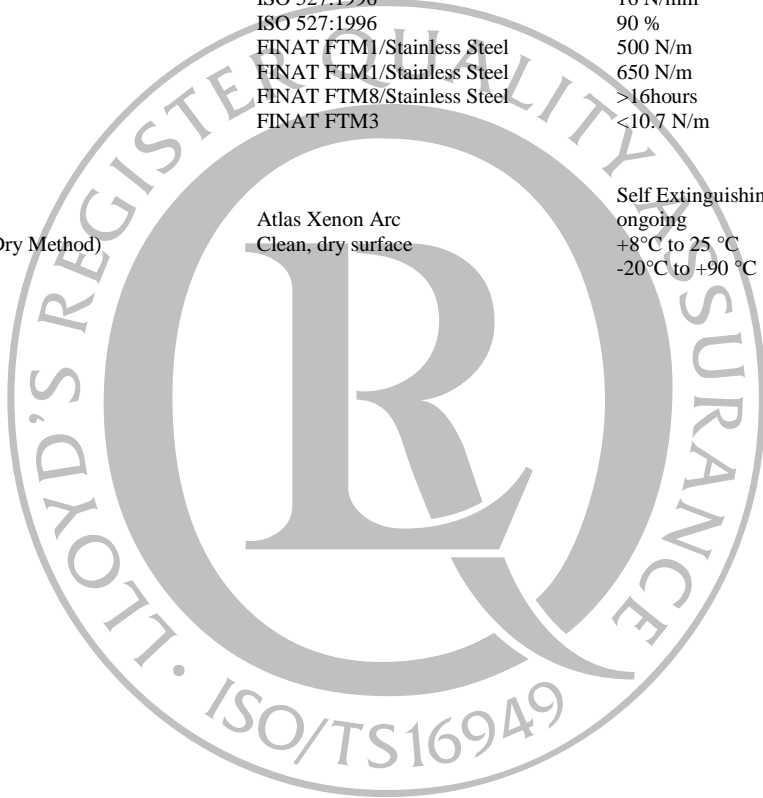


## K87021 Black Carbon Fibre

This is a 150 micron polymeric PVC vinyl, with a permanent acrylic adhesive.

KPMF's new generation Carbon Fibre Vinyl offers excellent conformability and adhesion, is perfect for vehicle wrapping and creating a distinctive and eye catching finish. This product is also suitable for long term signage applications and is designed for indoor and outdoor environments.

CHARACTERISTICS	TEST METHOD	TYPICAL VALUES from Mini PPAP EX1878
Film Thickness	ISO 4591:1992	0.145 mm
Adhesive Thickness	ISO 4591:1992	25 g/m <sup>2</sup>
Adhesive Type		Clear Permanent Cross-Linking Acrylic
Release Liner		Single sided PE with VWS print
Storage		Two years, out of direct sunlight at 23°C and 50% humidity
Tensile	ISO 527:1996	16 N/mm <sup>2</sup>
Elongation	ISO 527:1996	90 %
Adhesion 20 Mins/180°	FINAT FTM1/Stainless Steel	500 N/m
Adhesion 24 Hrs/180°	FINAT FTM1/Stainless Steel	650 N/m
Static Shear (25 x 25mm)	FINAT FTM8/Stainless Steel	>16hours
Low Speed Release	FINAT FTM3	<10.7 N/m
Flammability		Self Extinguishing
Artificial Weathering	Atlas Xenon Arc	ongoing
Application Temperature (Dry Method)	Clean, dry surface	+8°C to 25 °C
Service Temperature		-20°C to +90 °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.