



**Product Description**

Superior quality calendered polymeric vinyl films specially developed for use in the automotive and other industries for blackout, kick tread and stone-guard applications. Offers protection to areas that are vulnerable to stone chipping or scratching. Particularly suitable for A/B/C pillars, window profiles, wheel arches and general decoration. End users of K81200 films include a number of OEMs.

**Features**

- Textured finish
- Permanent solvent-based adhesive

**Recommended Uses**

- Blackout; kick-tread; stone-guard; A/B/C pillars; window profiles; wheel arches

**Face Film**

190µm & 320µm Black Textured Polymeric

**Widths**

1220mm

**Adhesive**

40g/m<sup>2</sup> clear permanent solvent-based acrylic

**Durability**

Up to 2 years (Florida/Arizona)

**Release Liner**

Kraft

**Shelf Life**

2 years

**Products Available**

- Please refer to our website or swatches to see the full range.

Physical Characteristics		
Properties	Test Method	Typical Value
Film Thickness	ISO 4591:1992	190 & 320µm
Elongation	ISO 527-3:2018	>75%
Dimensional Stability (48 hours/70°C)	FTM14/Aluminium	<0.5mm
20 minute 180° Peel	FTM1/Painted Steel	>600N/m
24 hour 180° Peel	FTM1/Painted Steel	>700N/m
Static Shear	FTM8/Painted Steel	>16 hours
Flammability	-	Self-extinguishing
Artificial Weathering	Xenon Arc	>2000 hours
<b>Outdoor Weathering</b>		
Florida/Arizona	-	>2 years
<b>Temperature Range</b>		
Application Temperature	-	Minimum +18°C
Service Temperature	-	-40°C to +90°C
<b>Adhesion properties on various substrates at 23°C – 24 hour 180° peel</b>		
Aluminium – Untreated	180° Peel after 24 hours at 23°C	1215N/m
Aluminium - Anodised	180° Peel after 24 hours at 23°C	1190N/m
Stainless Steel	180° Peel after 24 hours at 23°C	830N/m
Chromed Steel	180° Peel after 24 hours at 23°C	900N/m
Polyurethane	180° Peel after 24 hours at 23°C	560N/m
Glass	180° Peel after 24 hours at 23°C	830N/m
Acrylic Sheet	180° Peel after 24 hours at 23°C	830N/m
ABS Sheet	180° Peel after 24 hours at 23°C	760N/m
<b>Resistance to various liquids after application and conditioned for 24 hours at 23°C. Results examined 1 hour after test</b>		
Humidity	24 hours at 38°C and 100%	No effect
Water (Distilled)	24 hours at 32°C	No effect
Diesel Fuel	1 hour at 23°C	No effect
SAE Motor Oil	24 hours at 23°C	No effect
Antifreeze/Water (1:1)	24 hours at 23°C	No effect

### Product Usage Guide

- 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).
- Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids etc. may eventually cause deterioration. Actual performance will depend on substrate preparation, exposure conditions and application of marking.
- Although we have good control of the colour production of KPMF products at our multiple locations, as with all other manufacturer's products, customers should be aware that there may be subtle variances between samples, swatches and production materials, so therefore it is advisable to avoid using different batches of material for the same end application to avoid possible colour shifts between the batches.
- For best results, application should be performed in a clean, dry workshop at an ambient temperature of 18-24°C.
- Shelf life is 2 years when stored out of direct sunlight, at a temperature of 15-23°C and a relative humidity of 30-70%.

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### Product Warranty

Kay Premium Marking Films products 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.

Kay Premium Marking Films products 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's liability to the purchaser shall in no circumstances exceed the cost of the amount of the defective material supplied.

The data included on this datasheet shows typical properties and should not be taken as a guarantee for performance.

D7.3.6

Issue 11 18/03/2026