# K52111
KPMF Gloss White 75 Micron Polymeric Airflow Digital Vinyl

**Product Description**
**K52111 Polymeric PVC Film**
White Gloss Digital 70micron polymeric, produced on a grey solvent based repositionable adhesive. Offering outstanding brightness and excellent durability. Suitable for application to even or slightly curved surfaces on indoor and outdoor applications. Perfect for inkjet printing with solvent based inks, UV or latex inks.
Available at 1370mm and 1520mm on a plain DSPE Airelease liner - Airelease technology enables easy bubble free application and a trouble free release of any entrapped air during installation.
Available at 1600mm on plain DSPE liner.
**K52101 Clear Gloss / K53101 Clear Matt**
Clear 75micron Polymeric Overlaminate in a Gloss or Matt finish. Both variations produced with a permanent solvent based adhesive on a silicone coated paper liner. These clear overlaminate products offer high UV protection for digitally printed substrates, suitable for indoor and outdoor applications.
Gloss finish available at 1370mm, 1520mm and 1600mm
Matt finish available at 1370mm.

## Recommended Uses
- Vehicle graphics
- Signs
- General sign and decal applications which require optimum outdoor exposure

## Products Available
- K52101 Gloss Clear Polymeric 75 Micron
- K53101 Matt Clear Polymeric 75 Micron
- K52111 Gloss White Polymeric 70 Micron

## Face Film
70 & 75µm Polymeric Calendared

## Adhesive
25g/m² clear permanent solvent-based acrylic (K52101, K53101)
25g/m² Grey permanent solvent-based acrylic (K52111)

## Release Liner
- Silicone Coated paper non printed
- Double-sided non printed
- Double-sided non printed PE structured Airelease

## Widths
1370mm, 1520mm, 1600mm

## Durability
Up to 7 years outdoors
(vertical exposure, mid-Europe)

## Shelf Life
2 years
(out of direct sunlight, between 15ºC and 23ºC, 30% to 70% relative humidity)

## Physical Characteristics

| | Test Method | Typical Value |
|---|---|---|
| Film Thickness | ISO 4591:1992 | 70 & 75 µm |
| Elongation | ISO 527-3:2018 | >130% |
| Dimensional Stability *(48 hours/70°C)* | FTM14/Aluminium | <0.5 mm |
| Gloss 60° | ASTM D523-14 (2018) | Gloss >80 |
| 24 hour 180º Peel | FTM1/Painted Steel | >600 N/Metre (smooth)<br>>540 N/Metre (structured) |
| Flammability | | Self-extinguishing |
| Artificial Weathering | Xenon Arc | >1000 hours |
| Outdoor Weathering | Vertical Exposure/Mid Europe | K52101 & K53101 5 years<br>K52111 7 years (not printed) |

Datasheet provided in good faith as the most recent version available but please refer to the manufacturer's website to confirm that the specification has not been altered since.

Datasheet downloaded from MDP Supplies at www.mdpsupplies.co.uk

| | | |
|---|---|---|
| **Temperature Range** | | |
| Application Temperature | | Minimum +10ºC |
| Service Temperature | | -20°c to +90°C |
| **Resistance to various liquids after application and conditioned for 24 hours at 23°C. Results examined 1 hour after test** | | |
| 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

Typical applications include digital print for signage, vehicle graphics, signs and decal applications.

Suitable for applications in outdoor and indoor environments, offers excellent cutting and weeding properties. 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

Application temperature onto clean, dry surface min +10°C

***Product Warranty***

*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.*

*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.*

*There is no guarantee made for; ease or speed of graphic removal, removal from improperly cured paint, removal from oxidized or chalked substrates, or from horizontally exposed outdoor applications. Due to the large variety of available substate finishes, it is advisable to fully evaluate small areas particularly after printing prior to complete applications.*

*The data included on the Data sheet shows typical properties and should not be taken as a guarantee for performance.*

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