



Technical Data Sheet

LF 3900

IMAGin : Self-adhesive products especially designed for full-colour short-run digital printing .

PRODUCT DESCRIPTION

LF3999, LF3998 & LF3994 are soft 80µm stabilized PVC's coated on one side with a clear acrylic pressure sensitive adhesive.

- LF3999 : gloss clear
- LF3998 : matt clear
- LF3994 : satin.

The adhesive is protected with a moisture stable white paper liner, easy to remove.

TYPICAL USES

IMAGin Laminating Films LF3999, LF3998 and LF3994 are designed for overlaminating and protecting large and medium size digital prints. **LF3900** laminated onto electrostatic prints permits the humid transfer of the toners. Suitable for interior and exterior environments, **LF3900** helps retard colour fade caused by ultraviolet (U.V.) light exposure. **LF3900** provides a uniform, matt (LF3998), gloss (LF3999) or satin (LF3994) surface to the prints as well as protection against potential damages. LF 3900 does not influence the pH level of substrate to which it is applied.

PHYSICAL PROPERTIES ADHESIVE DATE AVERAGE VALUES TEST METHOD

Quich Tack (N/25mm) on stainless steel : 6 +/- 1 FTM9

Peel 180° - 30 min (N/25mm): 5 +/- 1 FTM 1 (ASTM D 903) on stainless steel

Peel 180° - 24h (N/25mm): 7 +/- FTM 1 (ASTM D 903) on stainless steel

Shear (hours) 1 kg – 25 mm x 25 mm (h) : > 50 FTM 8

Dimensional stability : % shrinkage < 0.1 , 25 x 25 cm 48h at 60 °C, sample mounted on aluminium. See overleaf

For temperatures outside those quoted above please consult with MACtac.

FLAMMABILITY Self extinguishing sample mounted on aluminium

CHEMICAL RESISTANCE

Resistant to short periods of immersion in water and short contact with detergents, alcohol and some aliphatic solvents. Not recommended for contact with ketones, esters, aromatic and chlorinated hydrocarbons. For further technical advice on chemical resistance, please consult your MACtac contact.

SHELF LIFE

2 years when stored at 15/25° C and 50% relative humidity.

DURABILITY

LF3900 will give satisfactory performance for up to 5 years. The durability does not relate to the colours of the prints but only to the film.

Note : These end-use-life estimates are based upon accelerated ageing studies and outdoor exposure under conditions experienced in vertical exposure and in "normal" temperate climates. Exposure to severe humidity and ultra-violet light, as well as conditions in southern European countries, and also in tropical, sub-tropical or desert regions, will cause a more rapid deterioration. This also applies to polluted areas, high altitude and south facing exposure.

RECOMMENDATIONS

Where exposure to chemicals, solvents or high pressure water hoses is envisaged, it is recommended to seal the edges of the prints with varnish or silicone in order to avoid penetration of these liquids.

Where possible, always test the proposed construction under actual application and end-use conditions because a 100% multi-purpose adhesive for all substrates does not exist.

Important notice

All MACtac products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning MACtac products is based upon research which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of MACtac products and the continuing development of new applications, the purchaser should carefully

consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. The seller shall not be liable for damages in excess of the purchase price of the product nor for incidental or consequential damages. All specifications are subject to change without prior notice.