

Technical Data Sheet

JT 1028 P

Self-Adhesive White Matt Microporous Polyolefin film

PRODUCT DESCRIPTION

FACE : A white matt microporous polyolefin film of 175 μ is used as face material.

ADHESIVE : A clear acrylic solvent based permanent adhesive with medium tack and high adhesion performance defines the product's adhesive characteristics.

JT 1028 P can be cut without causing any adhesive bleed.

LINER : A 90 g/m² white kraft liner protects the product.

TYPICAL USES

JT 1028 P is designed for the production of self-adhesive high resolution digital images on :

- Water based inkjet printers (thermal or piezo print heads) using pigmented inks,
 - Solvent based inkjet printers using Lyson Pentachrome inks (ex Tiara Systems Sapphire and Opal printers).
- It is suitable for indoor and outdoor applications on flat surfaces.

PHYSICAL PROPERTIES

	<u>Average values</u>	<u>Test method</u>
<u>Adhesive Data, 23°C</u>		
Peel adhesion 180° on stainless steel (N/25mm)		FTM 1
- after 20 minutes	10 \pm 2	
- after 24 hours	10 \pm 3	
<u>Dimensional stability</u>		
% shrinkage (48 hours at 60°C)	< 0.5	FTM 4 15 cm x 15 cm mounted on aluminium
<u>Flammability</u>		
	Self-extinguishing	sample mounted on aluminium
<u>Temperature ranges</u>		
- Application :	+ 10°C to + 40°C	
- End-use :	- 20°C to + 80°C	

N.B : for temperatures outside those quoted above, please consult with MACtac.

SHELF LIFE

1 year when stored at 15 to 25°C and \pm 50 % relative humidity (in the original packaging).

CHEMICAL RESISTANCE (unprinted material)

Resistant to short periods of immersion in water and short contact with detergents, alcohol, some aliphatic solvents and ketones. Not recommended for use in contact with glycerol, isobutyl acetate, mineral spirits, aromatic and chlorinated hydrocarbons. Avoid direct contact with unbleached paper, phosphite phenols and smoke (some yellowing could appear). **JT 1028 P** surface aspect can be modified by scratching and/or friction.

For further technical advice, please consult with MACtac.

DURABILITY

The durability of **JT 1028 P** is dependent on the life expectancy of the water based pigmented inks used (please refer to inks manufacturer for technical advice). Given the overall fragility of the face material we strongly recommend to laminate the **JT 1028 P** for all applications. When used outdoors **JT 1028 P** must be laminated but requires no edge sealing except if printed with water-sensitive inks, it is then necessary to seal its edges as well. When printed and laminated, as indicated above, **JT 1028 P** can be used externally for up to 2 years.

Please contact MACtac for further compatibility and ink advice.

RECOMMENDATIONS

Always test the combination of **JT 1028 P**, inkjet printers, inks and laminating films prior to commercial use. For more details, please refer to MACtac « Technical Bulletin 7.1 – Working with JT 1028 P ».

> Printing conditions

JT 1028 P should be handled with care as any surface contamination may affect the printing quality. The material is sensitive to scratches and/or friction. It is recommended to work in a print room environment with a temperature of + 23°C and a R.H. of 50 % and to condition the media in the printing room 24 hours before printing. Some ICC profiles are available on our web site. Others may be available through your local MACtac distributor.

> Laminating conditions

Please ensure that the printed **JT 1028 P** is perfectly dry before laminating.

It is strongly recommended to laminate it with pressure-sensitive protective films from the PERMAGARD or IMAGin LF 3000 series.

If the printed graphic is likely to be exposed to corrosive liquids, smoke, fumes, highly polluted areas it is recommended to “edge seal” the product as well as overlaminating it.

Please refer to the recommendations detailed in our « Technical Bulletin 7.4 – Overlaminating and Edge Sealing Recommendations ».

> Transportation conditions

To allow easy transportation, **IMAGin JT 1028 P** can be rolled up, with the image on the outside, with a minimum diameter of 15 cm (for example on a 6 inches core).

When the image is not protected with a laminating film, make sure that the print is perfectly dry before rolling it up. To avoid exposing the print to water or any other aggressive liquids, prints should be protected by a plastic bag. During the transport or storage of the prints, avoid exposing them to extreme temperature and humidity variations.

For more details on MACtac products please consult our website at www.mactac-europe.com

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.