

Ri-Jet M96 PE

PRODUCT DESCRIPTION / BENEFITS

Ri-Jet M96 PE series is a self-adhesive film for Large Format Digital printing, especially designed for application on flat surfaces.

The monomeric vinyl, UV stabilised, has an external colour stability up to 3 years, specially developed to be printed with solvent, eco-solvent, latex, and UV inkjet printing inks.

The 96 µm film thickness grants good ink absorption without making the face film too soft, which allows easier application. The permanent adhesive provides a good adhesion while the removable adhesive is easily removable from main substrates.

The 140 g/m² PE coated liner ensures good planarity and printing results.

Product REACH & RoHS compliant.

TYPICAL USE

- Short term outdoor advertising: posters, trains, bus, billboards
- Short term indoor advertising: shops and malls, airport terminals, ...
- Temporary point of sale advertising.

CONSTRUCTION

- **Face film:** 80 µm calendered monomeric film
- **Adhesive:** permanent clear water-based acrylic
- **Release liner:** clay coated kraft paper 135 g/m²

Products:

Perm adhesive:	Code 60471 -	Ri-Jet M96 White Gloss Perm PE
	60470 -	Ri-Jet M96 White Gloss Perm Grey PE
	60469 -	Ri-Jet M96 White Gloss Perm Grey Airflow
	60468 -	Ri-Jet M96 Clear Gloss Perm PE
	60484 -	Ri-Jet M96 White Matt Perm PE
Removable adhesive:	60479 -	Ri-Jet M96 White Matt Perm Grey PE
	60478 -	Ri-Jet M96 White Gloss Rem PE
	60477 -	Ri-Jet M96 White Gloss Rem Grey PE
	60476 -	Ri-Jet M96 White Gloss Rem Grey Airflow
	60488 -	Ri-Jet M96 White Matt Rem PE
	60486 -	Ri-Jet M96 White Matt Rem Grey PE

CONVERTING METHOD

Specially developed to be printed with solvent, eco-solvent, latex, and UV inkjet printing presses. To achieve the best possible print quality, make sure that the correct ICC profiles or printer settings are used. The printed media should dry minimum 24h prior to lamination.

We suggest a lamination with Ri-Lam M70 Clear Gloss or Matt to protect the printed image from UV fading and mechanical abrasion.

APPLICATION METHOD / INSTRUCTIONS FOR USE

Dry and wet application method on clean and degreased substrates for the product with PE coated kraft liner, while only the dry application method will be used with the Airflow liner.
Application temperature above 10°C.

EXPECTED DURABILITY

The expected vertical outdoor durability in Central Europe (zone 1) is 3 years.
This information is based on real life experience and artificial aging according to ISO 4892-2.
Note: Exposure to severe temperature and ultra-violet light will cause a quicker deterioration. This applies also to polluted area, high altitude, horizontal applications, and south-facing exposure in north hemisphere

SHELF LIFE

Shelf life is 2 years, when stored at 23 °C and 50 % relative humidity conditions.
Higher temperatures and/or humidity levels will reduce product shelf life.
NB: Printing results start to deteriorate after 12 months storage.

Ri-Jet M96 PE

PHYSICO-CHEMICAL PROPERTIES / TYPICAL VALUES

Face thickness, without adhesive	96 µm	ISO 534-80
Face thickness, with adhesive	120 µm	ISO 534-80
Tensile strength (machine direction)	> 25 N/cm	ISO 527
Elongation at break (machine direction)	> 100%	ISO 527
Fire resistance on aluminium	Self-extinguishing	ISO 3795:1989
Dimensional stability (1 week @70 °C on glass)	0,5 mm	FTM 14
Permanent adhesive - adhesion on glass (20 minutes)	9 N/25mm	FTM 1
- adhesion on glass (24 hours)	12 N/25mm	
- adhesion on glass (1 week)	15 N/25mm	
Removable adhesive - adhesion on glass (20 minutes)	3 N/25mm	FTM 1
- adhesion on glass (24 hours)	5 N/25mm	
- adhesion on glass (1 week)	8 N/25mm	
Minimum application temperature	+10 °C	
Service temperature	From -40 °C to +90 °C	
PE coated kraft paper	140 g/m ²	ISO 536

QUALITY CERTIFICATION



DISCLAIMER

Information on physico-chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use. All technical data are subject to change. All Fedrigoni products are sold subject to terms and conditions of sale. For more information, contact your Fedrigoni sales representative. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.