RITRAMA

TECHNICAL DATA SHEET
ISSUE: 1
DATE: 09/08/2021

Ri-Lam M70

PRODUCT DESCRIPTION / BENEFITS

Ri-Lam M70 series is a self-adhesive film for digitally printed images lamination.
The transparent monomeric calendered vinyl face film, UV stabilised, has an external colour stability up to 3 years. The permanent water-based adhesive adheres on vinyl printed with solvent, eco-solvent and latex inks, but is not suitable for UV print (silvering).
The 62 g/m² glassine liner provides a good adhesive smoothness.
All products are REACH & RoHS compliant.

TYPICAL USE

- Short term outdoor & indoor lamination film for advertising on Ri-Jet M80 and M100 media
- Protect printed media from abrasion and retard colour fading
- Provide homogeneous matt, satin, gloss finishes

CONSTRUCTION

- **Face film:** 70 µm monomeric calendered vinyl
- **Adhesive:** permanent clear water-based acrylic
- **Release liner:** glassine 62 g/m²

Products:

Clear Gloss finish: code 04065 - **Ri-Lam M70 Clear Gloss Perm N**
Clear Matt: 04067 - **Ri-Lam M70 Clear Matt Perm N**

CONVERTING METHOD

Compatible with solvent, eco-solvent and latex inks.
To be laminated with a laminator.

APPLICATION METHOD / INSTRUCTIONS FOR USE

The printed media to laminate should dry minimum 24h prior to lamination.
Laminate without tension on the printed media.

EXPECTED DURABILITY

The expected vertical outdoor durability in Central Europe (zone 1) is 3 years.
This information is based on real file 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.

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.

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50PHYSICO-CHEMICAL PROPERTIES / TYPICAL VALUES

Face thickness, without adhesive	70 µm	ISO 534-80
Face thickness, with adhesive	90 µm	ISO 534-80
Tensile strength (machine direction)	> 25 N/cm	ISO 527
Elongation at break (machine direction)	>150%	ISO 527
Fire resistance on aluminium	Self-extinguishing	ISO 3795:1989
Dimensional stability (1 week @70 °C on glass)	0.5 mm	FTM 14
Initial adhesion on glass (20 minutes)	10 N/25mm	FTM 1
Adhesion on glass (24 hours)	13 N/25mm	FTM 1
Final adhesion on glass (1 week)	15 N/25mm	FTM 1
Minimum application temperature	+10 °C	
Service temperature	From -40 °C to +90 °C	
glassine	62 g/m²	ISO 536

QUALITY CERTIFICATION

QUALITY SYSTEM CERTIFICATION
DNV
ISO 9001

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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.