

Product Description

myMEDIA 5381 Monolam Matt is a clear matt, self-adhesive, monomeric plasticized, calendered vinyl laminate for flat and very slightly curved surfaces and was especially developed for laminating the myMEDIA 1300 series. The ultra-clear, permanent adhesive is designed to avoid silvering. Protecting digital prints with this laminate improves the outdoor durability and protects against UV light, fading, ageing, dirt and humidity.

Physical Characteristics

Front material	Monomeric plasticized calendered PVC film	
Thickness / Weight	80 µm	
Colour / Finish	Clear, matt	
Adhesive	Acrylic Dispersion, permanent	
Liner	One-sided siliconized clay-coated release paper, 90 g/m ²	
Durability	Up to 3 years unprinted (vertical exposure, climate zone 1)	
Application temperature	>= +10°C	
Temperature range	-40°C to +80°C	
Adhesion after 24h	15,6 N/25 mm	Finat FTM 1 (on stainless steel)
Dimensional stability	<0,4 mm shrinkage	Finat FTM 14
Tensile strength	> 20 MPa (machine direction) > 20 MPa (cross direction)	DIN EN ISO 527
Elongation	> 160 % (machine direction) > 180 % (cross direction)	DIN EN ISO 527
Fire behaviour	B1	DIN 4102-1 (on stainless steel)

Storage

Shelf life	2 years if stored in original packaging
Storage conditions	+20°C to +22°C and 50 - 55% relative humidity

Printing

Compatible inks	Not recommended
Drying	The digital print must be ABSOLUTELY DRY prior the lamination! We recommend to dry for at least 48 hours prior to further processing in unwounded condition. If this is not possible the roll should be dried loosely wined in upright position on an air permeable (grid) floor to ensure air circulation. Insufficient drying may result in curling, shrinkage and insufficient adhesion which excludes any warranty. Therefore the drying has to be checked with practical methods like Tesatest (optimal with cross section), grab test, abrasion test and/or smell test prior to further processing and application.

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Processing and converting

Recommended surfaces	Flat to very slightly curved, not suitable for 3D applications Substrate must be dry and free of dust and grease
Lamination	Cold lamination Roller temperature $\leq 30^{\circ}\text{C}$, lamination without tension

Advantages and features

- B1 fire retardancy according to DIN 4102-1
- very good laminating properties
- avoids reflections and mirroring
- very good flatness
- excellent dimension stability
- outdoor use up to 3 years
- excellent price-performance ratio

Applications

- large sized indoor and outdoor applications
- Interior & exterior signs
- Shop decoration, window advertisement, POS
- Fairs & events
- Public buildings

Important Notice

Information on physical and chemical characteristics is based upon tests, practical knowledge and experience. The values listed herein are typical values and are not for use in specifications. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Because of the variety of uses and applications, the purchasers should independently determine, prior to use, the suitability of this material to their specific use and carefully consider the suitability and performance of the product. The purchaser shall assume all risks for any use and application of the material. All specifications and technical data are subject to change without prior notice, errors and omissions expected. All warranty matters are regulated by our general terms and conditions.