

**myMEDIA 5461 Ecological Protect Matt**
**Product Description**

myMEDIA 5461 Ecological Protect Gloss is a matt, PVC-free laminating film with UV protection that was specially developed for laminating the myMEDIA 1400 Ecological Film series. It also impresses on other print materials with its elegant matt surface, which prevents reflections and glare. The highly transparent, solvent-free acrylic adhesive offers good flow properties and therefore prevents silvering. The integrated UV protection extends the durability of outdoor prints. At the same time, the laminate offers additional protection against moisture, aging, dirt and abrasion. The product is suitable for use on flat substrates indoors and for medium-term applications up to 4 years outdoors and complies with B-s1, d0 according to the fire rating standard EN 13501-1.

**Physical Characteristics**

Front material	Polymer polyolefin with UV protection, PVC-free	
Thickness / Weight	66 µm / 54 g/m <sup>2</sup>	
Colour / Finish	Transparent, matt	
Adhesive	Solvent-free acrylic adhesive, transparent, permanent	
Liner	Siliconized glassine paper, 62 g/m <sup>2</sup>	
Durability	Up to 4 years unprinted (vertical exposure, climate zone 1)	
Application temperature	>= +10°C	
Temperature range	-12°C to +68°C	
Adhesion after 24h	13 N/25 mm	13 N/25 mm
Dimensional stability	Max. 0,05 mm shrinkage	Max. 0,05 mm shrinkage
Fire behaviour	B-s1, d0	B-s1, d0

**Storage**

Shelf life	Up to 18 months in unopened original packaging
Storage conditions	+20°C to +22°C at 50-55% relative humidity
Storage notice	After each use, the roll must be stored in its original sealed packaging.

**Printing Method**

Compatible inks	Not recommended
Drying	<p>The digital print must be ABSOLUTELY DRY prior the lamination!</p> <p>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 winded 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 tesa test (optimal with cross section), grab test, abrasion test and/or smell test prior to further processing and application.</p>

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**Processing and converting**

Recommended surfaces	Smooth and flat surfaces. The substrate must be dry and free of dust and grease.
Lamination	Cold lamination Roller temperature $\leq 30^{\circ}\text{C}$ , laminate without tension

**Advantages and features**

- PVC-free film
- Solvent-free adhesive
- Lower weight leads to waste reduction
- Elegant matt finish
- Prevents reflections and glare
- Very good laminating properties and processability
- No silvering
- Very good flatness
- Excellent dimensional stability
- Excellent price/performance ratio
- B1 flame-retardant according to EN 13501
- Suitable for flat substrates in outdoor use for up to 4 years

**Applications**

- Sustainable prints & applications
- Large format in- and outdoor applications
- Shop window advertising
- Vehicle advertising, fixed bodies
- Company signs, information boards
- Shop decoration, POS
- Trade fairs & events
- Advertising stickers
- High-quality stickers

**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.