

ORAGUARD® XP279

Laminating Film

Short description

High-quality, self-adhesive polyurethane laminating film for long-term outdoor use. This transparent, PVC-free film offers impressive flexibility and excellent dimensional stability, even on challenging surfaces. It provides outstanding UV protection and reliably shields prints from the elements. Ideal as a durable laminating film for high-quality applications where transparency, protection, and durability are paramount. Especially recommended in combination with the ORAJET® XP3971 RA+ ProSlide polyurethane digital printing film, as well as with PVC-based digital printing films such as the ORAJET® 3951 RA+.

Front material

Polyurethane film, cast film, 0.04 mm

Liner

One-sided siliconized kraft paper, 90 g/m²

Adhesive

Solvent-polyacrylate, permanent, Transparent, 0.028 mm

Technical properties

RESISTANCE

Durability	under vertical outdoor weathering conditions, typical Central European climate 12 Year(s)	
Shelf Life	2 Year(s)	in original packaging, at 20 °C and 50% relative humidity
Resistance to solvents and chemicals	Weak acids, Salts and alkalis, Water, Washing suds (0.5 % household cleaner)	At room temperature
Maximum shrinkage	Maximum shrinkage along 0.2 mm Maximum shrinkage across 0.2 mm	adhered to aluminum FINAT TM 14, Average value

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Elongation at break	Minimum elongation at break along	DIN EN ISO 527
	150 %	
Tensile strength	Minimum elongation at break across	DIN EN ISO 527
	150 %	
Tensile strength	Minimum tensile strength along 15	DIN EN ISO 527
	N/mm ²	
Temperature resistance	Minimum tensile strength across 15	DIN EN ISO 527
	N/mm ²	
Temperature resistance	Minimum temperature -40 °C	DIN EN ISO 527
	Maximum temperature 100 °C	

ADHESIVE PROPERTIES

Adhesive power	10 N/25 mm	after 24 hours, stainless steel FINAT TM 1, Average value
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PROCESSING

Application temperature	Minimum temperature 10 °C
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PRODUCT NOTE

Given the wide variety of printed images that need to be protected and the different printing methods used to produce them, it is essential for the processor to verify for themselves that ORAGUARD® protective laminates are suitable for the specific printed image.

IMPORTANT NOTES

All ORAGUARD® products undergo rigorous quality control throughout the entire manufacturing process. We ensure that the products are delivered in standard commercial quality and free from manufacturing defects. The traceability of our products in accordance with ISO 9001 is ensured by the roll number. The information published regarding ORAGUARD® products is based on research results that the company considers reliable but does not constitute a guarantee. Due to the wide range of possible applications for ORAGUARD® products and the ongoing development of new applications, it is the buyer's responsibility to thoroughly verify the suitability and performance of the product for the intended use. Furthermore, the processing instructions issued by ORAFOL must be followed. The buyer assumes all risks arising from the use of these products. All information is subject to change without notice.