

# 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/m<sup>2</sup>

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

### ADHESIVE PROPERTIES

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

### PROCESSING

|                         |                           |
|-------------------------|---------------------------|
| Application temperature | Minimum temperature 10 °C |
|-------------------------|---------------------------|

### 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

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