

## Product Description

Series ORALITE® 5062 TRANSPARENT FILM is a clear film made of high-performance PMMA with glossy surface. The material features excellent transparency combined with a very good dimensional stability and cutting as well as processing properties.

The film is used as a protective layer for ORALITE® reflective films intended for mid-term outdoor use, printed with ORALITE® 5019 UV Digital Printing Ink and the ORALITE® Traffic Sign Printer. Laminates of the series ORALITE® 5062 TRANSPARENT FILM on the white or printed reflective films of ORALITE® 5710 Engineer Grade Premium and ORALITE® 5510 Engineer Grade continue to meet the requirements of international specifications of this class such as EN 12899-1 (European Regulation), DIN 67520 and DIN 6171 (Germany), BS 873: Part 6 (Great Britain), NFP 98-520 (France), SN 640878 (Switzerland), ASTM D 4956 (US), JIS Z 9117 (Japan) for the specific coefficient of retroreflection and color coordinates.

## Adhesive

The adhesive consists of a solvent polyacrylate, permanent pressure sensitive adhesive specially formulated for the application to ORALITE® sheeting surfaces, including digital and UV digital printed surfaces. The adhesive is protected by a release liner made of PET, silicone coated on one side, 0.075 mm [0.003"] thickness.

## Application/Processing

ORALITE® 5062 TRANSPARENT FILM performs best on ORALITE® sheeting, unprinted or printed with ORALITE® inks. The surfaces to which the material will be applied must be thoroughly cleaned from dust contamination which could affect the adhesion of the material. Freshly printed surfaces should be completely cured. The compatibility of selected inks and surfaces should be tested by the user, prior to application of the material. For other applications the user is fully responsible for evaluating the suitability of the product, and for any risks associated with that use.

Please refer to the Practical Information 4.1 published by ORAFOL for full instructions or contact your ORAFOL Reflective Solutions Division representative for advice relating to the above.

**Note:** All ORALITE® products are manufactured within an ISO 9001:2008 controlled manufacturing environment and batch traceability is possible on the basis of the roll number.

## Product Data

<b>Thickness*</b> (without protective paper and adhesive)	0.060 mm (2.4 mils)
<b>Dimensional stability</b>	applied on steel, no measurable shrinking in cross direction, in length direction 0.1 mm (0.0039 in)
<b>Temperature resistance</b>	adhered to aluminium, -56°C to 90°C (-69°F to 194°F)
<b>Resistance to cleaning agents</b>	adhered to aluminium, 8h in solution (0.5% household agents) at room temperature and 65°C (150°F), no
<b>Adhesive power</b> * <sup>1</sup> (FINAT-TMI after 24h, stainless steel, 180° Peel @ 300mm (12") /min)	18 N/25mm (1 inch) (film tear)
<b>Shelf life</b> **	2 years
<b>Application temperature</b>	> +10°C (50°F)
<b>Service life by specialist application</b> *** under vertical outdoor exposure	meets the service life of the laminated substrate up to a maximum of 7 years

\* average

\*\* in original packaging, at 20°C and 50% relative humidity

\*\*\*standard central European climate

**Note:** Values stated in SI units are to be regarded as standard. The values in parentheses are conversions and shall not be considered as the standard, as these values maybe approximate.



## IMPORTANT NOTICE

When using ORALITE® sheeting the relevant national specifications have to be complied with. ORAFOL recommends you obtain the current requirements from your local authority and ensure product conformance with such requirements. Please contact ORAFOL for further information.

All Reflexite® and ORALITE® products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning Reflexite® and ORALITE® products is based upon research which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of Reflexite and ORALITE® products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. All specifications are subject to change without prior notice.

No warranty is given for purposes other than those listed in the Technical Datasheet or which are not processed according to ORAFOL's processing and handling instructions. The durability of the signs will depend on a variety of factors, including but not limited to substrate selection and preparation, compliance with recommended application guidelines, geographic area, exposure conditions and maintenance of the product and finished sign. Sign failures caused by the substrate or improper surface preparations are not the responsibility of ORAFOL. Please refer to the full warranty document available at [www.orafol.com](http://www.orafol.com) for detailed information.

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