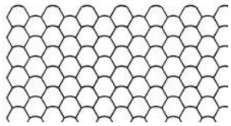
ORALITE® 5910

High Intensity Prismatic Grade

ORALITE® 5910 High Intensity Prismatic Grade was specially developed for the production of traffic signs and guidance systems. The solution offers excellent reflection properties, high resistance to corrosion and solvents, and a long service life of up to 10 years. The film is available in 9 colors and meets all relevant standards.

Reflective Properties

Cell structure:



Reflective Technology: Prismatic , Reflectivity classes: RA2, Reflective film structure: C, Metalisation: no

Areas of Application

- Traffic signs
- Construction sites
- Traffic & transportation
- Advertising & signage

Colours

ORALITE® 5910 is available in the following colors: White (color code 010), Yellow (color code 020), Red (color code 030), Orange (color code 035), Blue (color code 050), Green (color code 060), Brown (color code 080), Yellow-Green fluorescent (color code 029), Yellow fluorescent (color code 037)

Total thickness

- 0.32mm (Standard colours, average value, without protective liner)
- 0.39mm (fluorescent colours, average value, without protective paper)

Front material

Acrylic film

Liner

One-sided silicon-coated PP film, 0.06 mm, 54 g/m²

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PVC-free
Yes

Adhesive
Solvent-polyacrylate

Recommends laminating films
ORALITE® 5061 Transparent Film, ORALITE® 5090 Anti-Dew Film, ORALITE® 5095 Anti-Graffiti Film

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Certificates

- CE ORAFOL 5910 CPR 20_0170_1 EN-1.pdf (Download)
- ORALITE 5910 - CE 0913-CPD-2012-07 - de - 2014-03-21 - Zertifikat.pdf (Download)
- 2017-12-08 Orafol 5910 0913-CPR-2017-05-1.pdf (Download)
- ORALITE 5910fl - CE 0913-CPR-2016-12 de - 2017-01-26 - Zertifikat.pdf (Download)
- 2019-04-15 Orafol 5910 0913-CPR-2017-05 Anlage.pdf (Download)
- 2021-07-29 Orafol 5910 0913-CPR-2017-05 Anlage.pdf (Download)
- ORALITE 5910 - CE 0913-CPD-2012-07 - de - 2017-02-03 - Anlage.pdf (Download)
- ORALITE 5910 fl - CE 0913-CPR-2016-12 - de - 2017-01-26 - Anlage.pdf (Download)
- DoP5910.001.20220208-DE.pdf (Download)
- DoP5910.5017.001.20220422-DE.pdf (Download)
- DoP5910FLY.001.20220208-DE.pdf (Download)
- ORALITE 5910 - CE 0913-CPD-2012-07 - en - 2014-03-21 - Certificate-1.pdf (Download)
- CE ORAFOL 5910 CPR 20_0170_1 EN-1.pdf (Download)
- Oralite 5910_1358-CPR-0170-2.pdf (Download)
- ORALITE 5910fl - CE 0913-CPR-2016-12 - en - 2017-01-26 - Certificate-1.PDF (Download)
- 2021-07-29 Orafol 5910 0913-CPR-2017-05 Anlage UK.pdf (Download)
- 2019-04-15 Orafol 5910 0913-CPR-2017-05 Anlage UK-1.pdf (Download)
- ORALITE 5910 - CE 0913-CPD-2012-07 - en - 2017-02-03 - Attachment.PDF (Download)
- ORALITE 5910fl - CE 0913-CPR-2016-12 - en - 2017-01-26 - Attachment-1.PDF (Download)
- DoP5910.001.20220208-EN.pdf (Download)
- DoP5910.5017.001.20230912-EN.pdf (Download)
- DoP5910FLY.001.20220208-EN.pdf (Download)
- ORALITE 5910 - CE 0913-CPD-2012_07 - en - 2016-09-29 - Attachement.pdf (Download)
- ORALITE 5910 - CE 0913-CPD-2012-07 - en - 2014-03-21 - Certificate.pdf (Download)
- 2017-12-08 Orafol 5910 0913-CPR-2017-05 UK.pdf (Download)
- 2017-12-08 Orafol 5910 0913-CPR-2017-05 Anlage UK.pdf (Download)
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- 2017-12-08 Orafol 5910 0913-CPR-2017-05 UK.pdf (Download)
- 1519~1 5910 aproval.pdf (Download)

Technical properties

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RESISTANCE

Durability	10 Year(s)	unprinted, with professional processing, with vertical outdoor weathering, central European normal climate
Shelf Life	1 Year(s)	in original packaging, at 20 °C and 50 % relative humidity
Resistance to solvents and chemicals	Washing suds (0.5 % household cleaner)	
Temperature resistance	Minimum temperature -40 °C Maximum temperature 80 °C	adhered on aluminium

ADHESIVE PROPERTIES

Adhesive power	15 N/25 mm	after 24 h, on stainless steel | Average value, FINAT TM 1
Adhesive	Permanent	

PROCESSING

Recommended printing procedure	Screen printing, Digital print with UV-curing inks, Eco-solvent printing	
Suitable substrate	Metals, Aluminium, Galvanised sheet steel	
Application temperature	Minimum temperature 10 °C	
Proposed application technology	Dry application	

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PRODUCT NOTE

The substrate to be bonded must be free of dust, grease or other contamination, which can affect the adhesive strength of the material. Re-coatings must be completely cured. Application tests with the planned coatings have to be performed in advance to determine the compatibility. For other application areas the user is responsible for testing and assessing whether the product is suitable and whether risks may arise from its use. ORALITE® 5910 white can be printed by means of digital or screen printing as well as laminated with overlay films The printed or laminated material still fulfils the specifications for reflectance values of this colour if the ORAFOL processing instructions are observed. The recommended overlay films are ORALITE® 5061 Transparent Film, ORALITE® 5090 Anti-Dew Film and ORALITE® 5095 Anti-Graffiti Film. We recommend ORALITE® 5018 as the screen printing ink. Clear varnish is not required. The material can also be printed with the ORALITE® UV Traffic Sign Printer and the specifically developed UV digital inks ORALITE® 5019. For long-term, vertical applications outdoors, it is recommended to use the printed material in combination with ORALITE® 5061 Transparent Film. For detailed information please refer to the processing instructions No. 4.3. published by ORAFOL or contact the responsible employee of the ORAFOL Reflective Solutions Division. All ORALITE® products have been manufactured in a production process certified in accordance with ISO 9001:2015. The batch can be traced at any time by means of the roll number.

IMPORTANT NOTES

Relevant national specifications have to be observed when using films of the ORALITE® series. ORAFOL recommends that you obtain the current specifications from your local authority and ensure that the product complies with them. For further information, please contact ORAFOL directly. All ORALITE® products are subject to thorough quality control during the entire manufacturing process. It is ensured that they are of merchantable quality and free from manufacturing defects. The information published on the ORALITE® products is based on research results which the company considers to be reliable, but which do not constitute a guarantee. In view of the wide range of applications of ORALITE® products and the continuous development of new applications, the buyer should carefully weigh up the suitability and performance of the product for the respective purpose and they bear all risks in connection with such use. All specifications may be changed without advance notice. Any warranty is excluded for applications which are not listed in the Technical Data sheet or which are not performed in accordance with the processing guidelines set out by ORAFOL. The durability of the shields depends on a multitude of factors, such as for example the selection and preparation of the substrate, compliance with the recommended processing guidelines, the geographical application area, the weather conditions as well as the maintenance of the product and the finished shield. ORAFOL does not accept any liability for defects which can be traced back to an unsuitable substrate or inadequate surface preparation. You can find comprehensive information in the warranty document under www.orafol.com. ORALITE® is a trademark of ORAFOL Europe GmbH.

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