

# ORALITE® 5071 LETTERING FILM

Technical Data Sheet

08/09

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## Description

ORALITE® - Lettering film Series 5071 is a black high-performance PVC film which thanks to the use of special polymeric, non-migrating plasticizers and UV-stabilizers guarantees maximum light fastness and weathering resistance. The material is available in glossy and matt.

ORALITE® 5071 LETTERING FILM contains an identification water mark (OR) and features good dimensional stability and optimum cutting and processing properties.

## Release paper

Silicone coated paper on one side, 137g/m<sup>2</sup>

## Adhesive

Solvent polyacrylate, permanent

## Area of use

The ORALITE® - Lettering film Series 5071 was especially developed for use on cutting plotters to produce long-term lettering, markings and symbols on traffic control and guidance signs, warning signs and information signs of all kinds the reflective surfaces of which are made of ORALITE® - reflective films.

ORALITE® 5071 LETTERING FILM is suitable for long-term outdoor use (7 years).

## Technical data

<b>Thickness*</b> (without protective paper and adhesive)	70 micron
<b>Dimensional stability</b> (FINAT TM 14)	adhered to steel, no measurable shrinkage in cross direction, in length 0.2 mm max.
<b>Temperature resistance</b>	adhered to aluminium, -56°C to +90°C (-69°F to 194°F)
<b>Salt-water resistance</b> (DIN 50021)	adhered to aluminium, after 100h at 23°C (74°F) no variation
<b>Resistance to solvents and chemicals</b>	with expert application resistant to most oils, grease, fuels, aliphatic solvents, weak acids, salts and alkalis
<b>Resistance to cleaning agents</b>	adhered to aluminium, 8h in washalcalics (0,5% household-cleaning agents) at room temperature and 65°C, no variation
<b>Fire behaviour</b> (DIN 75200)	adhered to steel, self-extinguishing
<b>Adhesive power*</b> (FINAT TM 1, after 24h, stainless steel)	18 N/25mm (25mm = 0,98 in)
<b>Tensile strength</b> (DIN EN ISO 527)	along: 19 MPa min. across: 19 MPa min.
<b>Elongation at break</b> (DIN EN ISO 527)	along: 130% min. across: 150% min.
<b>Shelf life**</b>	2 years
<b>Application temperature</b>	> +10°C
<b>Service life by specialist application</b> under vertical outdoor exposure (standard central European climate)	7 years

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

## Attention:

Surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination which could affect the adhesion of the material. Furthermore the application information published by ORAFOL is to be considered. The batch traceability according to ISO 9001 is possible on the basis of the roll number.

The statements in this information sheet are based upon our knowledge and practical experience. This data is intended only as a source of information and is given without guarantee and does not constitute a warranty. Due to the wide variety of possible uses and applications customers should independently determine the suitability of this material for their specific purpose, prior to use.



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