

### **Description**

Series ORALITE® 5041 TRANSPARENT FILM are removable transparent coloured Polyester films. The material features excellent transparency, outstanding dimensional stability and optimum cutting and processing properties.

It is guaranteed that the colour-laminates of the series ORALITE® 5041 TRANSPARENT FILM on the white reflective films of the ORALITE® 5840 HIGH INTENSITY CONSTRUCTION GRADE fulfill the requirements of the 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.

### **Surface**

Polyester film

### **Adhesive**

Polyacrylate, removable, transparent

### **Release paper**

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

### **Area of use**

ORALITE® 5041 TRANSPARENT FILM has been developed especially as laminate for ORALITE® reflective films 5840 HIGH INTENSITY GRADE. ORALITE® 5041 TRANSPARENT FILM has been especially developed for use on cutting plotters to produce temporary traffic control and construction area signs, warning and information signs. ORALITE® 5041 TRANSPARENT FILM offers a profitable alternative for screen printing especially when small numbers of a product are required.

ORALITE® 5041 TRANSPARENT FILM is suitable for short-term outdoor use (4 years).

The relevant national regulations must be taken into account when applying ORALITE® 5041 TRANSPARENT FILMS on ORALITE® reflective films.

### **Colours**

ORALITE® 5041-020 yellow

ORALITE® 5041-030 red

ORALITE® 5041-050 blue

further traffic colours on request

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.



**Technical data**

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<b>Thickness*</b> (without protective paper and adhesive)	36 micron (0.0014 in)
<b>Dimensional stability</b> (FINAT TM 14)	adhered to steel, no measurable shrinkage in cross direction, in length 0.1 mm max.
<b>Temperature resistance</b>	adhered to aluminium, -52°C to +82°C (-62°F to 178°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>Adhesive power*</b> (FINAT TM 1, after 24h, stainless steel)	7 N/25mm (25mm = 0,98 in)
<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 (standard central European climate)	4 years

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\* 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.

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