ORALUX® 9300

Luminescent Cast

Short description

Three-layer cast, light yellow, cadmium-free high performance PVC film with glossy surface. Fulfils the requirements of DIN 67510. The afterglow effect is characterised by a particularly high initial brightness, immediately after switching off the stimulating light source. The excitation can be carried out as often as required without reducing the luminous properties of the film. Does not contain radioactive materials.

Front material

Cast PVC film, cast film, 0.15 mm

Liner

PE-coated paper on both sides, siliconised on one side, 143 g/m²

Adhesive

Solvent-polyacrylate, permanent, Transparent, 0.027 mm

Technical properties

RESISTANCE

Durability		
	5 Year(s)	
Shelf Life	2 Year(s)	in original packaging, at 20 °C and 50 % relative humidity
Maximum shrinkage	Maximum shrinkage along 0.3 mm Maximum shrinkage across 0.3 mm	Bonded to steel
Elongation at break	Minimum elongation at break along 100 % Minimum elongation at break across 100 %	DIN EN ISO 527
Tensile strength	Minimum tensile strength along 12 N/mm² Minimum tensile strength across 10 N/mm²	DIN EN ISO 527
Temperature resistance	Minimum temperature -40 °C Maximum temperature 60 °C	Short-term exposure up to 80 °C

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ADHESIVE PROPERTIES

Adhesive power	18 N/25 mm	after 24 h, on stainless steel | FINAT TM 1, average value

PROCESSING

Application temperature	Minimum temperature 10 °C

Luminance: after 10 min. – 23.0 mcd/m²; after 60 min. – 3.0 mcd/m²; DIN 67510-1:2009, average value; Decay time: 340 min. (0.3 mcd/m²), DIN 67510-1:2009, average value

Certificates

- 9300 BAM-Pruefbericht nach DIN 6750.pdf (Download)
- ORALUX_9300_ Test_Report.PDF (Download)
- ORALUX_9300_ Test_Report.PDF (Download)
- 9300 BAM-Pruefbericht nach DIN 6750.pdf (Download)
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PRODUCT NOTE

The substrate to be bonded must be free of dust, grease or other contamination, which can affect the adhesiveness of the material. Re-coatings must be dried or fully cured. Application tests with the planned coatings have to be performed to determine the compatibility. Furthermore, the processing notes published by ORAFOL have to be observed. The traceability of our goods in accordance with ISO 9001 is ensured by means of the roll number.

IMPORTANT NOTES

All ORALUX® products are subject to thorough quality control during the entire manufacturing process. It is ensured that the products are of merchantable quality and free from manufacturing defects. The information published on the ORALUX® 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 ORALUX® products and the continuous development of new applications, it is up to the buyer to carefully check the suitability and performance of the product for the respective purpose. The buyer bears all risks which result from the use of these products. All specifications are subject to change.

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