ORAJET® 3109

Digital Printing Film

Short description

Polymer PVC film white with glossy surface embossing for digitally printed large image formats for longterm outdoor use. *on request

Front material

Polymer PVC film, 0.1 mm

Liner

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

Adhesive

Solvent-polyacrylate, removable, Grey or transparent, 0.024 mm

Technical properties

RESISTANCE

Durability	with vertical outdoor exposure, normal Central European climate	
	7 Year(s)	with vertical outdoor weathering, central European normal climate; unprinted
Shelf Life	2 Year(s)	in original packaging, at 20 °C and 50% relative humidity
Resistance to solvents and chemicals	Oils, Greases, Fuels, Weak acids, Salts and alkalis, Isopropyl alcohol, Washing suds (0.5 % household cleaner)	At room temperature
Maximum shrinkage	Maximum shrinkage along 0.2 mm Maximum shrinkage across 0 mm	Bonded to steel
Elongation at break	Minimum elongation at break along 130 % Minimum elongation at break across 150 %	
Tensile strength	Minimum tensile strength along 19 N/mm² Minimum tensile strength across 19 N/mm²	DIN EN ISO 527

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Seawater resistance	no change	after 100h/35°C | adhered to aluminum, DIN EN ISO 9227
Temperature resistance	Minimum temperature -40 °C Maximum temperature 80 °C	Short-term exposure up to 110 °C |

ADHESIVE PROPERTIES

Adhesive power	8 N/25 mm	after 24 h, on stainless steel | FINAT TM 1, average value

PROCESSING

Application temperature	Minimum temperature 10 °C	

PRODUCT NOTE

After printing, the ink must be allowed to thoroughly dry, in order to avoid any issues when later combined with the laminate. Surfaces to which the material will be applied must be thoroughly cleaned and free from dust, grease or any contamination which could affect the adhesion of the material. Freshly lacquered or painted surfaces should be allowed to dry for at least three weeks and to completely cure. The compatibility of the selected lacquers and paints should be tested by the user, prior to the application of the material. Furthermore the application information published by ORAFOL must be considered.

IMPORTANT NOTES

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