

ORAJET® 3174

PVC-FREE DIGITAL MEDIA

Technical Datasheet
8/2021
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Description

4-mil, economical PVC-free, polypropylene digital printing film available in white with a gloss surface.

Release Liner

83# PE-coated silicone paper

Adhesive

Clear, water-based, permanent

Area of Use

For short- to medium-term, flat indoor and outdoor applications like POP, exhibit graphics, and general signage.

Technical Data

Thickness (without liner and adhesive)	4 mil
Dimensional Stability (FINAT TM-14)	Adhered to steel, no shrinkage in cross direction; In length, <.01"
Temperature Resistance	Adhered to aluminum, -40°F to +176°F, no variation
Seawaterability (DIN 50 021)	Adhered to aluminum, after 48h/73°F, no variation
Fire Behavior (DIN 75200) Fire Rating	Meets ASTM E 84-07 Class "A" Adhered to steel, self-extinguishing
Adhesive Power (FINAT TM-1, after 24 h, average)	Adhered to stainless steel: 3.65 lb/in
Tensile Strength (DIN EN ISO 527)	Along: Min. 15 MPa Across: Min. 15 MPa
Elongation at Break (DIN EN ISO 527)	Along: Min. 400% Across: Min. 450%
Shelf Life (68°F/50% relative humidity)	2 years
Minimum Life Expectancy (based on accepted application procedures on vertical surfaces)	2 years (unprinted)
Minimum Application Temperature	50°F
Available Lengths	150' (50-yard)
Available Widths	54"
Recommended Laminates	ORAGUARD® Series 236
Print Compatibility	Latex, Solvent, Eco-Solvent, UV Curable

For best results, utilize ORAFOL ICC profiles available at www.orafolamericas.com and allow solvent-based inks to dry for at least 24 hours (48-72 hours preferred) at 70°F before cutting the graphic to the ink or applying a laminate.

Note 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. Freshly lacquered or painted surfaces should be completely cured. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material. Films with structured surface are naturally more sensitive than the unstructured. Accordingly, these films are to be treated carefully both in processing and in cleaning. Impurities affect the appearance of structured films and require more frequent cleaning. 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.

IMPORTANT NOTICE All ORAJET® products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning ORAJET® products is based upon research which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses



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of ORAJET® products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. All specifications are subject to change without prior notice. WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.



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