



March 2023

OLIN Design is a comprehensive range of premium uncoated papers and boards that offers perfect colour reproduction with a range of coordinated envelopes. The products are available in Smooth, Regular and Rough finish in 4 shades of white.

OLIN Design is perfect for corporate communication, annual reports, business cards, letterheads, order forms, programmes, invitations, leaflets, pharmaceutical instructions, folders, books, luxury packaging, etc.

Printing Guidelines

Preparation

- Store at room temperature (17-23°C), at a relative humidity of 50%, from 24 to 48 hours before use.
- Protect the paper against any risk of moisture during the whole process. In particular, unwrap the paper only at the last moment before printing and rewrap it immediately after the print run.
- Do not use set-off powder when printing.

Pre-press

- Large printed surface: under colour-removal necessary.
- Intense full colours black: Blue support (40%)
- Recommended colours: one or several support colours recommended
- Screen ruling: 150 max.

Printing

- Litho offset: Suitable.
- Laser printing: Fully suitable from 80g to 150g. Use appropriate inks.
- Pre-printing: Fully suitable from 80g to 150g. Use appropriate inks that are laser compatibles.
- Screen printing: suitable.

Finishing and conversion

- Embossing & die-stamping: all techniques can be used.
- Hot foil stamping: no precautions are necessary when using conventional foil stamping techniques. Foil blockers can recommend the best foil to suit the image and paper chosen.
- Varnishing: possible but trials to be made first.
- Lamination: not recommended.
- Scoring: starting at 150g, scoring with counterpart.
- Cutting: it is recommended to wait 24hours after the printing. Ensure that the blade of the guillotine is sharp enough in order to avoid dust deposits.



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Property & Unit	Standard														
GSM	ISO 536	50	60	70	80	90	100	120	150	170	200	240	300	350	400
Thickness (µm)	ISO 534	71	85	99	110	124	138	163	204	231	272	322	400	465	530
Bulk (cm3 /g)	ISO 534	1.42	1.42	1.41	1.38	1.38	1.38	1.36	1.36	1.36	1.36	1.34	1.33	1.33	1.33
Roughness (ml/min)	ISO 8791-2	200	200	150	245	245	245	245	245	245	245	300	300	245	245
Absolute Humidity (%H2o)	ISO 20287	4.5	4.8	5.0	5.0	5.0	5.0	5.5	5.5	5.5	6.0	6.0	6.5	6.5	6.5
Relative Humidity (% in aire)	Sword measuring	30	35	38	38	38	38	44	44	44	48	48	50	50	50
Opacity (%)	ISO 2471	86	88	92	94	96	96.5	97.5	98.5	99	>99	>99	>99	>99	>99
Formation (index on 120)	Kajaani measuring	90	90	90	100	100	98	98	98	98	98	-	-	-	-
Whiteness CIE	ISO 11475	170													

These values are to be considered only as indications and are subject to change according to trade tolerances in the quality specification. Issue date: March 2023





Property & Unit	Standard											
GSM	ISO 536	90	100	120	130	150	170	200	240	300	350	400
Thickness (µm)	ISO 534	120	133	160	173	200	226	270	317	391	432	495
Bulk (cm ³ /g)	ISO 534	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.30	1.23	1.23
Roughness (ml/min)	ISO 8791-2	250	250	250	250	250	250	250	250	250	250	200
Absolute Humidity (%H ₂ O)	ISO 20287	56	5.6	5.6	5.6	5.6	5.6	6.5	6.5	6.5	6.5	6.5
Relative Humidity (% in aire)	Sword measuring	45	45	45	45	45	45	50	50	50	50	50
Opacity (%)	ISO 2471	92	93,5	95	95	97	98	98	>99	>99	>99	>99
Formation (index on 120)	Kajaani measuring	100	100	100	100	100	100	100	-	-	-	-
Whiteness CIE	ISO 11475	151										

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Property & Unit	Standard											
GSM	ISO 536	80	90	100	120	150	170	200	240	300	350	400
Thickness (µm)	ISO 534	109	122	132	157	194	219	258	307	374	440	504
Bulk (cm ³ /g)	ISO 534	1.36	1.36	1.32	1.31	1.29	1.29	1.29	1.28	1.25	1.26	1.26
Roughness (ml/min)	ISO 8791-2	200	200	200	200	200	200	200	200	200	200	200
Absolute Humidity (%H ₂ O)	ISO 20287	4.6	4.6	5.0	5.5	5.5	5.5	6.0	6.0	6.5	6.5	6.5
Relative Humidity (% in aire)	Sword measuring	32	32	38	44	44	44	48	48	50	50	50
Opacity (%)	ISO 2471	90	91	93	94,5	96	97	>98	>99	>99	>99	>99
Whiteness CIE	ISO 11475	74										

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Property & Unit	Standard					
GSM	ISO 536	90	120	170	240	300
Thickness (µm)	ISO 534	118	154	216	298	360
Bulk (cm ³ /g)	ISO 534	1.31	1.28	1.27	1.24	1.20
Roughness (ml/min)	ISO 8791-2	150	180	180	180	180
Absolute Humidity (%H ₂ O)	ISO 20287	5.0	5.5	5.5	6.0	6.0
Whiteness CIE	ISO 11475	65				

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