

LumiSilk

by Stora Enso



LumiSilk is a woodfree, multicoated silk matt art printing paper and board for extremely demanding image and text printing.

- Exceptional print quality and print gloss for good readability
- Excellent folding properties
- Superb rub resistance

PRODUCER

Oulu Mill

TYPICAL END USES

Books
Brochures
Catalogues
Luxury magazines and covers
Posters
Folders
Cards and inserts

COLOUR PROFILE

FOGRA 39

FINISH

Silk Matt

L* a* b* target values	L*	a*	b*	Fluorescence (ISO 12647-2)
ISO 5631-3 (D50/2°)	94	0.9	-4.3	Moderate

PRINTING METHODS

Sheet fed offset
Other printing processes are suitable with limitations e.g. screen process, flexo and digital printing. Ideal for perfecting presses. The paper produces excellent results with conventional, UV and hybrid UV inks.

PREPRESS

LumiSilk does not set the limit. High density AM, FM and hybrid screens can be used.

VARNISHING

Multiple matt, gloss, UV and spot varnishing are allowed, along with laminating, foil blocking and embossing can be used.

BINDING

Thread wire and adhesive binding can be used. Precreasing is recommended when folding grammages of 170 g/m² and higher.

TECHNICAL SPECIFICATIONS (target values)

Substance		g/m ²	90	100	115	130	135	150	170	200	250	300
Brightness	ISO 5631-2 (D65/10°)	%	99	99	99	99	99	99	99	99	99	99
CIE Whiteness	ISO 11475 (D65/10°)	%	122	122	122	122	122	122	122	122	122	122
Opacity	ISO 2471 (D65/10°)	%	91.0	93.0	94.5	95.5	96.0	97.5	99.0	99.0	99.0	99.0
Gloss TAPPI 75	ISO 8254-1	%	30	30	30	30	30	30	30	30	30	30
Bulk	ISO 534	cm ³ /g	0.87	0.87	0.81	0.85	0.82	0.85	0.85	0.88	0.90	0.93
Smoothness	ISO 8791-4 PPS (1MPa)	µm	2.0	2.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.7
Caliper		µm	78	87	94	111	111	128	145	176	225	279

ENVIRONMENT

Fibre source is virgin wood fibre from Finland and Brazil.
The pulp is bleached using an Elementary Chlorine Free (ECF) process.
Recyclable paper
Recyclable packaging materials

CERTIFICATES

The EU Ecolabel FI/11/002
ISO 9706
ISO 9001
ISO 14001
OHSAS 18001
FSC® CoC, license code FSC® C015932
PEFC™ CoC, licence code PEFC/02-31-86
EN71/3 2003 Safety of toys
Migration of certain elements
94/62 EC Heavy metal confirmation

STORAGE AND HANDLING

- Store the paper in a humidity and temperature controlled area at 50% relative humidity and room temperature between 19°C and 23°C.
- If the paper is stored in non-air conditioned warehouse, it is absolutely necessary to allow a stabilisation period in the print room.
- Open the protective wrapping at the moment of use.

PRINT MEDIA: Coated Papers

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