

FEDRIGONI

SPECIAL PAPERS

GSK TRANSLUCENT+

Uncoated translucent paper and cardboard obtained without the use of optical brighteners (OBA free), through a careful refining process that provides high transparency and mechanical strength. FSC® certified, made from pure ECF cellulose. Available in Extra White color. Grammages from 200 gsm up are laminated off line.

DESCRIPTION

SIZE	GRAIN	SUBSTANCE
72X102	LG	80 90 100 110 160 180 200 285 320 375

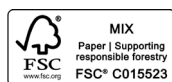
RANGE

SUBSTANCE	THICKNESS	TRANSPARENCY	SMOOTHNESS	ROUGHNESS	TENSILE STRENGTH	
ISO 536	ISO 534	ISO 22891	ISO 5627	ISO8791-2	ISO 1974	
g/m ²	μ	%	s	ml/min.	mN	
					long. ± 10%	trasv. ± 10
80 ± 4%	72 ± 8	68	20	230	270	320
90 ± 4%	78 ± 8	66	20	240	295	355
100 ± 4%	84 ± 8	65	15	280	350	395
110 ± 4%	92 ± 8	64	15	300	385	455
160 ± 4%	130 ± 10	60	10	400	570	640
180 ± 4%	140 ± 10	58	8	500	640	775
200 ± 4%	165 ± 10	57	5	500	1050	1250
220 ± 5%	175 ± 10	55	5	550	1150	1300
285 ± 5%	225 ± 10	48	5	600	1500	1700
320 ± 5%	265 ± 10	47	5	600	1600	1800

TECHNICAL FEEDBACK

ref. standard/instrument
unit of measure

Absolutly Humidity 7,5 ± 1
rif. ISO 287



ECOLOGICAL FEATURES

The paper is inherently particularly sensitive to hygrometric variations. The optimal conditions for the storage and use of the product are: temperature between 17 and 23°C (63-73°F); relative humidity at 50% ± 10. The product is fully recyclable. Special making available upon request.

NOTES

Envelopes available at stock.

GSK TRANSLUCENT+

GSK Translucent+ is suitable for fine publications for printing overlays and inserts, mailings, as well as for envelopes.

APPLICATIONS

GSK Translucent+ is suitable for single and multi-colour printed with offset, letterpress, debossing, hot foil stamping and screen printing processes. It's particularly reactive to humidity changes and reaches very quickly in balance with the moisture of the printing room with the risks of size variations. For that reason, we recommend to leave the paper in its wrapping packaging for 24 hours in the printing room. If the need is to print in multi-colour we recommend to work in a conditioned room (23°C and 50% relative Humidity) or at least to take all the cares required to avoid dimensional variations. The surface has no porosity, so that inks do not dry through absorption into the media. Polymerisation in offset printing from the sheet takes place by means of oxidation, so that inks for plastics should be used. Excellent results have been ensured with UV inks and in web offset printing with Heat Set inks. The adhesion of the ink, once dry, is very good. It's also important to check the other process variables, especially the fountain solution, which must be used at minimum quantity. We recommend a buffered pH of 5÷5,5 with 800÷1200 µS conductivity. It may be appropriate to add small quantities of additives to the fountain solution and/or the ink to accelerate the ink polymerisation process. Anti-setoff powder is useful and low output stacks are necessary. The ink drying time depends by the quantity of ink printed and may vary from 8-10 hours to more than 24 hours. In hot foil stamping, because of the high density of these papers and their very low compressibility, careful adjustments of the process temperature and pressure is required. We recommend the use of suitable foils and if necessary the use of clichet in material specifics for largest areas.

PRINTING SUGGESTIONS

For the cutting stage we recommend to employ "used blades" sharpened to 23°; cut small stacks, at the most 5 cm; also in die-cutting avoid too sharpened tools. Fold preferably with folds parallel to the grain direction: avoid low-damp conditions, especially to fold the lighter substances. GSK also can be sewed with metallic stitch, however the lighter substances are critical. In sizing we suggest to use Hot melt glues, also cold glue as long as not water-based. In paper binding the glue must be put along the grain direction. GSK can be plastic laminated on one side or on both sides. We suggest to do careful and preventive tests with your usual plastic-coater. In case of hygrometric variations, plastic laminating only on one side might cause curling problems

CONVERTING SUGGESTIONS

