ISPIRA

description

Environmentally-friendly ECF papers and boards certify FSC. The special soft surface finish, on both sides, allows a pleasent effect and high printing performances. On substance 120 g the surface finishing is one side only. Available in five shades (four pulp colored).

range

size	grain	substance			
72x102	LG	120	150	250	360

technical features

ref. standard/instrument

unit of measure

substance	thickness	Taber stiffness 15°		roughness
ISO 536	*ISO 534*	*ISO 2493*		*ISO 8791-2*
g/m²	*µm*	*mN*		*ml/min*
		long±10%	*trasv±10%*	
120 ± 3%	130	15	8	80 ± 30*
150 ± 4%	165	28	15	80 ± 30
250 ± 5%	270	110	50	80 ± 30
360 ± 5%	370	380	150	80 ± 30

Brightness (col. Purezza) - ISO 2470 (R457) - 112 % ± 2
Relative Humidity 35% ± 5 ref. TAPPI 502-98
*** Coated side**

ecological features

FSC www.fsc.org FSC® C015523 The mark of responsible forestry

ELEMENTAL CHLORINE FREE GUARANTEED

ACID FREE

LONG-LIFE ISO 9706

HEAVY METAL ABSENCE CE 94/62

notes

This paper, in its nature, is particularly sensitive to hygrometric variations. The optimum condition of storage environment and of use of the product are: temperature between 17 and 23°C (63-73°F); relative humidity 35% ± 5.
The product is completely biodegradable and recyclable.
Special runs available upon request.

Envelopes available on stock.

applications

Ispira papers and boards are ideal for packaging, commercial printing, inserts and brochures, wherever the need is to feel a special touch and to show a futuristic design.

printing suggestions

Can be used without problems with the main printing systems: offset, blind embossing, hot foil stamping, thermography and screen printing. The use of digital technology, such as Xerography and ink-jet must be tested in advance to check effectiveness. The surface features low microporosity,and consequently the inks do not dry by absorption of the vehicle. Polymerisation in offset printing on sheets is achieved by oxidation; therefore oxidising inks need to be used. Excellent results have also been achieved with UV-dried inks. In screen printing, inks for plastic surfaces are recommended. We dissuade to use Fluorescent inks. In addition, it is essential to control all the printing process variables, especially the fountain solution, wich must be used in minimun dosages. Anti- setoff is useful, while low-pile delivery is required. Drying times depend on the ink load and to what extent the process variables are ensured, and can range from around 6÷8 hours up to over 12 hours. Principal storage conditions for Ispira paper:

- The sheets must be kept in their original packaging until the are ready to be used. We recommend to pay attention in conditioning before use and during the manufacturing stages.
- Carefully close the pack again if only using part of its contents.
- Store at a steady temperature and humidity: 17-23°C and 30-40% rH
- Do not stack the packs over a maximum height of 90 cm.
- Do not stack pallets.
- Before printing, the paper must be fanned on all four sides.

converting suggestions

Good results can be expected with all the main converting process: cutting, die cutting, scoring, folding, glueing and lining (substance 120 g/m^2). Ispira's special finish greatly reduces surface microporosity, making the paper inert to the normal hot melt glues used for making brochures. To overcome this characteristic, we recommend using a polyurethane (PUR) type of glue, which guarantees an excellent bond between the cover and the book block and a high degree of elasticity when opening the brochure. Varnishing and plastic laminating must be assessed in advance. The varnishing coated with an offset machine is almost fully absorbed and therefore does not improve gloss or protection, therefore we suggest to use acrylic or UV-dried varnishes. The special soft surface finish, may give rise to micro defects with plastic laminating caused by incomplete adhesion of the film to the substrate.