SIRIO ULTA BLACK

description

Uncoated papers and boards certified FSC. Black pulp-coloured without Carbon Black. It's extremely light-fast. The substance in 115 gsm is made in single-layer and it's available with Fiandra E/R 65 embossing pattern. The other substances are off-machine laminated with natural starches water based.

range

size	grain	substance					
72x102	LG	115	185	280	370	460	680

technical features

ref. standard/instrument

unit of measure

substance	thickness	roughness	Taber stiffness 15°		tensile strength	
ISO 536	ISO 534	ISO 8791-2	ISO 2493		ISO 1924	
g/m^2	µm	ml/min	mN		kN/m	
			long±10%	cross±10%	long±10%	cross±10%
115 ± 3%	150*	1250±200	13	6,5	7	3,5
185 ± 5%	220	1150±200	50	20	12	5
280 ± 5%	330	1150±200	155	80	19,8	10
370 ± 5%	420	1600±200	390	180	–	–
460 ± 5%	540	1600±200	745	355	–	–
680 ± 5%	785	1100±200	1950	800	–	–

Relative Humidity 50% ± 5 ref. TAPPI 502-98
*** Before the embossed**

ecological features

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

ELEMENTAL CHLORINE FREE GUARANTEED

ACID FREE

HEAVY METAL ABSENCE CE 94/62

notes

The product is completely biodegradable and recyclable.
Special runs available upon request.

applications

Sirio Ultra Black is a product developed for packaging, covers, inserts and tags.

printing suggestions

Can be used without problems with the main printing systems: letterpress, offset, blind embossing, hot foil stamping, thermography and screen printing. The macro-porous surface suggests the use of oxidative drying inks or UV inks. The absence of Carbon Black among the pigments used it avoids problems related to oxidation or speckled printing with any hot foils used; especially this with hot foils metalized (gold,silver, copper etc...). The hot stamping of big areas requires the use of hot stamping machine with flat-cylinder technology.

converting suggestions

Varnishing and plastic laminating must be assessed in advance. The varnish coated with an offset machine is almost fully absorbed and therefore it does not improve gloss or protection. Screen-printing varnishing achieves better results, although it is often necessary to perform two shots to achieve a distinctly evident result. The surface roughness typical of uncoated papers may give rise to micro defects with plastic laminating caused by incomplete adhesion of the film to the substrate. Good results with major processing operations such as: cutting, die-cutting, scoring, folding and glueing. We remind that although the black surface of “Sirio Ultra-Black” remains normal, when it’s rubbed against another white surface, black particles might be rubbed off.