

# FEDRIGONI

## PAPER

# SIRIO ULTRA BLACK

Uncoated papers and boards certified FSC®. Black pulp-coloured, Carbon Black free, with a high light-fastness. The substances 460 and 680 gsm are off-line laminated with starches water based. The grammage 115 gsm is also available with the Fiandra E/R 65 embossing pattern.

### DESCRIPTION

SIZE	GRAIN	SUBSTANCE
72X102	LG	115 185 280 370 460 680

### RANGE

GRAMMATURA	THICKNESS	ROUGHNESS	TABER STIFFNESS 15°		TENSILE STRENGTH	
ISO 536	ISO 534	ISO 8791-2	ISO 2493		ISO 1924	
g/m <sup>2</sup>	µm	ml/min	mN		kN/m	
			long ± 20%	cross ± 20%	long ± 20%	cross ± 20%
115 ± 3%	150*	850 ± 200	20	11	7	3,5
185 ± 5%	240	850 ± 200	80	40	12	5
280 ± 5%	370	850 ± 200	220	120	19,8	10
370 ± 5%	470	850 ± 200	470	230	-	-
460 ± 5%	570	1600 ± 300	720	400	-	-
680 ± 5%	815	1600 ± 300	1750	950	-	-

### TECHNICAL FEATURES

ref. standard/instrument  
unit of measure

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



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

### ECOLOGICAL FEATURES

### NOTES

# SIRIO ULTRA BLACK

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

## APPLICATIONS

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.

## PRINTING 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. The substance in 115 gsm is made in single-layer therefore the reference side for the nuance is the only one on the top.

## CONVERTING SUGGESTIONS

