

# FEDRIGONI

## PAPER

# ARENA NATURAL BULK

Uncoated high thickness papers, with FSC® certification. The new "Natural" white shade is obtained without using Optical Brightening Agents (OBA Free). Rational yet elegant, good for texts, pictures, and illustrations. It works with any printing and post-printing process and performs well with any binding and folding technique.

### DESCRIPTION

SIZE	GRAIN	SUBSTANCE
64X90	LG	90 100 120 140
72X102	LG	90 100 120 140

### RANGE

SUBSTANCE	VSA	OPACITY	ROUGHNESS	BRIGHTNESS
ISO 536	ISO 534	ISO 2471	ISO 8791-2	ISO 2470
g/m <sup>2</sup>	cm <sup>3</sup> /g	%	ml/min	%
90 ± 3%	1,7	90 ± 2	950 ± 20%	85% ± 3
100 ± 3%	1,7	91 ± 2	1000 ± 20%	85% ± 3
120 ± 3%	1,7	93 ± 2	1100 ± 20%	85% ± 3
140 ± 3%	1,7	95 ± 2	1200 ± 20%	85% ± 3

### TECHNICAL FEATURES

ref. standard/instrument  
unit of measure

Relative Humidity 50% ± 5  
ref. TAPPI 502-98



### ECOLOGICAL FEATURES

The product is completely biodegradable and recyclable.

Special runs available upon request. Arena Natural Bulk has a bulk of 1.7 and contains CTMP (chemi-themo mechanical pulp) a raw material that allows to obtain higher thicknesses but that can bring slight variations in the shade and occasional small spots from one making to the next compared to Natural Smooth and Natural Rough versions.

### NOTES

# ARENA NATURAL BULK

Arena Natural Bulk is excellent for de luxe publications, diaries, note-books, envelopes, calendars, catalogues and letterheads.

## APPLICATIONS

Arena Natural Bulk can be used without problems with the main printing processes: traditional and UV or H-UV offset, embossing, hot foil stamping, screen printing, letterpress. The macro-porous surface works best when using semi-oxidative drying inks. Arena Natural Bulk has good chromatic and tone performance.

## PRINTING SUGGESTIONS

Varnishing and plastic laminating must be assessed in advance. Varnishing applied with an offset machine is almost fully absorbed and therefore does not improve gloss or protection. Screenprinting varnishing achieves better results, although it's often necessary to perform two runs to achieve best results.

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 paper. Good results are achieved with major processing operations such as cutting, die-cutting, scoring, folding and gluing.

## CONVERTING SUGGESTIONS



# FEDRIGONI

## PAPER

# ARENA IVORY BULK

Uncoated high thickness papers, with FSC® certification. Available in the bright new “Ivory” shade. Rational yet elegant, good for texts, pictures, and illustrations. It works with any printing and post-printing process and performs well with any binding and folding technique.

### DESCRIPTION

SIZE	GRAIN	SUBSTANCE
64X90	LG	80 90 100 120 140
72X102	LG	80 90 100 120 140

### RANGE

SUBSTANCE	VSA	OPACITY	ROUGHNESS	BRIGHTNESS
ISO 536	ISO 534	ISO 2471	ISO 8791-2	ISO 2470
g/m <sup>2</sup>	cm <sup>3</sup> /g	%	ml/min	%
80 ± 3%	1,7	89 ± 2	900 ± 20%	72% ± 3
90 ± 3%	1,7	90 ± 2	950 ± 20%	72% ± 3
100 ± 3%	1,7	91 ± 2	1000 ± 20%	72% ± 3
120 ± 3%	1,7	92 ± 2	1100 ± 20%	72% ± 3
140 ± 3%	1,7	94 ± 2	1200 ± 20%	72% ± 3

### TECHNICAL FEATURES

ref. standard/instrument  
unit of measure

Relative Humidity 50% ± 5  
ref. TAPPI 502-98



### ECOLOGICAL FEATURES

The product is completely biodegradable and recyclable. Special runs available upon request. Fedrigoni Arena® Ivory Bulk has a bulk of 1.7 and contains CTMP (chemi-themo mechanical pulp) a raw material that allows to obtain higher thicknesses but that can bring slight variations in the shade and occasional small spots from one making to the next compared to Ivory Smooth and Ivory Rough versions.

### NOTES

# ARENA IVORY BULK

Fedrigoni Arena® Ivory Bulk is excellent for de luxe publications, diaries, note-books, envelopes, calendars, catalogues and letterheads.

## APPLICATIONS

Fedrigoni Arena® Ivory Bulk can be used without problems with the main printing processes: traditional and UV or H-UV offset, embossing, hot foil stamping, screen printing, letterpress.

The macro-porous surface works best when using semi-oxidative drying inks. Fedrigoni Arena® Ivory Bulk has good chromatic and tone performance.

## PRINTING SUGGESTIONS

Varnishing and plastic laminating must be assessed in advance. Varnishing applied with an offset machine is almost fully absorbed and therefore does not improve gloss or protection. Screenprinting varnishing achieves better results, although it's often necessary to perform two runs to achieve best results.

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 paper. Good results are achieved with major processing operations such as cutting, die-cutting, scoring, folding and gluing.

## CONVERTING SUGGESTIONS

