FEDRIGONI
SPECIAL PAPERS

ARENA HIGH DEFINITION

DESCRIPTION

Arena High Definition is a range of papers and boards characterized by a matte surface and a natural touch, and which guarantees a high definition print performance. Available in Extra White and White. Made of pure ECF cellulose, FSC® certified.
It is optimal for publishing, creative communication and graphic design projects but also suitable for packaging, whenever a particularly sharp and defined printing quality is required.

RANGE

SIZE	GRAIN	SUBSTANCE
72X102	LG	100 120 140 170 200 250 300

TECHNICAL FEATURES

ref. standard/instrument
unit of measure

SUBSTANCE	VSA	OPACITY	ROUGHNESS
ISO 536	ISO 534	ISO 2471	ISO 8791-2
g/m^2	cm^3/g	%	cc/min
100 ± 3%	1,10	94 ± 2	150 ± 20%
120 ± 3%	1,10	95 ± 2	150 ± 20%
140 ± 3%	1,10	96 ± 2	150 ± 20%
170 ± 3%	1,10	97 ± 2	170 ± 20%
200 ± 4%	1,15	-	170 ± 20%
250 ± 5%	1,15	-	200 ± 20%
300 ± 5%	1,15	-	200 ± 20%

Brightness (White shade) ISO 2470 (R457) - 101% ± 1
(Extra White shade) ISO 2470 (R457) - 110% ± 1
Relative Humidity 50% ± 5
ref. TAPPI 502-98

ECOLOGICAL FEATURES

MIX
Paper from responsible sources
FSC® C015523
www.fsc.org

ELEMENTAL CHLORINE FREE GUARANTEED

NOTES

The product is recyclable within the paper recycling stream.
Special makings available upon request.

UNI EN ISO 9001:2015 - CQ 539
UNI EN ISO 14001:2015 - CQ 7847
UNI EN ISO 45001:2018 - CQ 26471

PRODUCT DATA SHEET
ARE/1R3
Update 05/2024
Rev. n° 01

ARENA HIGH DEFINITION

APPLICATIONS

Arena High Definition is idea for any publishing, creative communication and graphic design project, such as covers, inserts, books, catalogues and magazines. It can also be used for coordinated packaging, greeting cards and invitations.

PRINTING SUGGESTIONS

Arena High Definition can be used without problems with the main printing systems: letterpress, offset, blind embossing, hot foil stamping and screen printing. The macro-porous surface suggests the use of demi-oxidizing drying inks.
For greater control of the ink setting and drying, the following measures are recommended, alone or in combination:
- wait at least 24 hours before printing or converting
- add desiccant to semi-oxidative ink
- apply post-printing acrylic protective primer
- print with a moderate ink load, that will result in better control of setting: good result are obtained with UCR or GCR grading to reduce the mass of ink transferred onto the paper, with screen size up to 175 lpi.

Optimal results are obtained in UV, H-UV or UV-LED offset printing.
Good chromatic and tone performance, ink load, dot gain and printing contrast are at the highest levels obtainable from uncoated papers.

CONVERTING SUGGESTIONS

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. 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.