

# ARENA HIGH DEFINITION

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.

### DESCRIPTION

| SIZE   | GRAIN | SUBSTANCE                       |
|--------|-------|---------------------------------|
| 72X102 | LG    | 100 120 140 170 200 250 300 350 |

### RANGE

| SUBSTANCE        | VSA                | OPACITY  | ROUGHNESS  |
|------------------|--------------------|----------|------------|
| ISO 536          | ISO 534            | ISO 2471 | ISO 8791-2 |
| g/m <sup>2</sup> | cm <sup>3</sup> /g | %        | cc/min     |
| 100 ± 3%         | 1,05               | 94 ± 2   | 150 ± 20%  |
| 120 ± 3%         | 1,05               | 95 ± 2   | 150 ± 20%  |
| 140 ± 3%         | 1,05               | 97 ± 2   | 150 ± 20%  |
| 170 ± 3%         | 1,10               | 98 ± 2   | 150 ± 20%  |
| 200 ± 4%         | 1,10               | -        | 150 ± 20%  |
| 250 ± 5%         | 1,10               | -        | 150 ± 20%  |
| 300 ± 5%         | 1,15               | -        | 150 ± 20%  |
| 350 ± 5%         | 1,15               | -        | 150 ± 20%  |

### TECHNICAL FEATURES

ref. standard/instrument  
unit of measure

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

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

### NOTES

# ARENA HIGH DEFINITION

Arena High Definition is ideal 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.

## APPLICATIONS

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.

## PRINTING SUGGESTIONS

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 results 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.

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.

## CONVERTING SUGGESTIONS

