

# FEDRIGONI

## PAPER

# PERGAMENATA PEARL

Papers and boards made with E.C.F. pulp, certify FSC®, cloudy like the ancient natural parchments, pearlescent finish on both sides. Transparency enhancers are not used. Available in three colours. Substance 235 gsm is off-machine laminated with natural starches.

### DESCRIPTION

SIZE	GRAIN	SUBSTANCE
70X100	LG	115 165 235

### RANGE

SUBSTANCE	VSA	ROUGHNESS	TENSILE STRENGTH	
ISO 536	ISO 534	ISO 8791-2	ISO 1924	
g/m <sup>2</sup>	cm <sup>3</sup> /g	ml/min	long ± 10%	cross ± 10%
115 ± 3%	0,9	450 ± 100	11,7	5,2
165 ± 5%	0,9	450 ± 100	15,7	5,9
235 ± 5%	0,9	600 ± 100	19,6	9,8

### TECHNICAL FEATURES

ref. standard/instrument  
unit of measure

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



### ECOLOGICAL FEATURES

The special superficial treatment has the purpose of improving the features of printing chromatic performance, eventual opacity fluctuations are considered as typical of the product.

The product is completely biodegradable and recyclable.

Special runs available upon request.

### NOTES

# PERGAMENATA PEARL

Pergamenata Pearl is a de luxe cloudy paper obtained with a specific and extended fibre refining process in special "Beater" refiners and a particular running of paper machine. It is ideal for de luxe publications, art printings, prestigious certificates, wherever the need is to show a futuristic design.

## APPLICATIONS

Can be used without problems with the main printing systems: offset, blind embossing, hot foil stamping and screen printing. The product is highly sensitive to hygrometric and temperature variations. We recommend to pay attention in air-conditioning before use and during the manufacturing stages. The surface is well sealed and therefore it is recommended to use inks for plastics. The printing pressure setting must be adequate to this media (on the average higher than a normal uncoated paper). We suggest a buffered pH 5÷5.5 with 800÷1200 µS conductivity. It may be appropriate to add small quantities of additives to the fountain solution and/or in the ink to accelerate the ink polymerisation process. Anti-setoff spray powder is useful and low output stacks are necessary; we advise against the use of varnish online if used to avoid setoff. Drying times depend on the quantity of ink and process variables and may vary from 8-10 hours to more than 24 hours. In this regard, good results are obtained with UCR and GCR grading to reduce the mass of ink deposited on the paper. In screen-printing, and even hot foil stamping, we recommend inks/foils for plastic.

## PRINTING SUGGESTIONS

Varnishing and plastic laminating must be assessed in advance. 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. The paper is very close-grained, it has low compressibility: in the guillotine trimming, and in folding too, we suggest to employ used blades in order to prevent cutting edge thread. Check carefully the scoring, because the paper, once folded, becomes fragile. Also the binding is feasible but we suggest to use a PUR glue and to make previous trials in order to avoid curling issues or other inconveniences. We don't recommend the use of this paper for wrapping boxes and like end papers on hard covers.

## CONVERTING SUGGESTIONS

