



# SYMBOL PEARL

**description** Environmentally-friendly ECF papers and boards, certify FSC. High content of selected recycled material (minimum quantity guaranteed 25%); triple blade coated on both sides with a Pearly finish. Available in Ice and Sand colours.

**range**

size	grain	substance					
70x100	LG	130	150	170	200	250	300

**technical features**  
ref. standard/instrument  
unit of measure

substance	VSA	opacity	gloss	tensile strength	
ISO 536	ISO 534	ISO 2471	ISO 8254-1	ISO 1924	
g/m <sup>2</sup>	cm <sup>3</sup> /g	%	%	kN/m	
				long±10%	cross±10%
130 ± 3%	0,83	94 ± 2	63 ± 10	5,2	4
150 ± 3%	0,83	96 ± 2	63 ± 10	6	4,6
170 ± 3%	0,85	98 ± 2	63 ± 10	6,8	5,2
200 ± 4%	0,87	–	63 ± 10	7,3	5,7
250 ± 5%	0,95	–	63 ± 10	–	–
300 ± 5%	0,95	–	63 ± 10	–	–

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

**ecological features**



The mark of responsible forestry

ELEMENTAL  
CHLORINE  
FREE  
GUARANTEED



**notes** The suggestions that follow are based on accurate research conducted with numerous printers who have used Symbol Pearl paper with great satisfaction, together with R&D activity with the main producers of inks and auxiliary products for offset printing. Given the considerable amount of recycled content within the product it is possible for there to be a slight variation in the shade, from one making to the next. The product is completely bio-degradable and recyclable. Special runs available upon request.

The Company reserves the right to modify the technological features of the product in relation to market requirements.

Symbol Pearl is a collection of papers and boards ensuring universal applications. They are ideal for publications, packaging, coordinated graphic materials, covers, inserts and prestige brochures where sensations of technical content and advanced design are required.

applications

Can be used with the main printing systems: letterpress, offset, blind embossing, hot-foil stamping, thermographic and screen printing. The surface has no porosity, so that inks do not dry through absorption into the media. Polymerization in sheet-fed offset printing takes place by means of oxidation, so that inks for plastics should be used. Excellent results have been achieved with U.V. inks and in web offset printing with Heat Set inks. The adhesion of the ink, once dry, is very good. It is also particularly important to check the other process variables, especially the fountain solution, which must be dosed at minimum levels to ensure that emulsions are kept within moderate levels.

printing  
suggestions

We recommend a buffered pH of 5÷5,5 with 800÷1200  $\mu$ S conductivity. It may be appropriate to add small quantities of additives to the fountain solution and/or the ink to accelerate the ink polymerization process. Anti-setoff spray powder is useful and low output stacks are necessary; we advise against the use of water based 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 transferred onto the paper. In screen-printing, and even hot foil stamping, we recommend inks or foils suitable for plastic-finished surfaces.

Good results with major processing operations such as: cutting, die-cutting, scoring, folding and glueing, varnishing, plastic laminating and bonding. For the correct choice of glueing types, we recommend to perform specific tests with your regular supplier. We suggest to score all the substances above 170 gsm.

converting  
suggestions

**S** **Y** **M** **B** **O** **L**<sup>TM</sup>