



SIRIO PEARL

description

Special surface coated papers and boards; treated on both sides with a special metallised, pearlescent finish. The ECF (Elemental Chlorine Free) fibers are pulp coloured for a superior appearance. In substance “110” the perlescent finish is available only on one side. Sirio Pearl is available in fifteen colours.

range

size	grain	substance				
70x100	LL	480	700			
72x102	LL	110	125	230	300	350

technical features
standard/instrument
unit of measure

substance	VSA	stiffness Taber 15°		breaking length	
		ISO 2493		ISO 1924	
		mN		m	
ISO 536	ISO 534	long±10%	cross±10%	long±10%	cross±10%
g/m ²	cm ³ /g				
110 ± 3%	1,20	40	20	7000	4000
125 ± 3%	1,20	85	50	7000	4000
230 ± 4%	1,20	140	60	6000	3500
300 ± 5%	1,20	220	110	6000	3500
350 ± 5%	1,20	360	150	-	-
480 ± 5%	1,15	1100	650	-	-
700 ± 5%	1,15	3000	1700	-	-

Relative Humidity 50% ± 5

certificates



notes

The product is completely bio-degradable and recyclable. The suggestions given on the next page come from research carried out with a number of printers that have used Sirio Pearl very satisfactorily. This is supported by R&D with ink manufacturers and finishing equipment suppliers. Please contact our office staff for further information on this subject. Special runs available upon request.



Envelopes available on stock.

The company reserves the right to modify the technical characteristics of the products on the basis of market requirements



Sirio Pearl is a collection of papers and boards that are suitable for many applications. It is excellent for publications, packaging, corporate literature, labels, covers, inserts and brochures – wherever the need is to show a technical emphasis, a modern style and futuristic design.

application

Can be used with the main printing systems: letterpress, offset, blind embossing, hot-foil stamping, thermographic and screen printing.

printing & processing

The surface has no porosity, so that inks do not dry through absorption into the media. Polymerisation in offset printing from the sheet 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 anchorage 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 emulsifying is kept within modest levels.

We recommend a buffered pH of 5÷5,5 with 800÷1200 µS conductivity. It may be appropriate to add small quantities of additives to the fountain solution and/or 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 surfaces.

Good results can be expected with all the main converting process: cutting, die cutting, scoring, folding, glueing, varnishing and lamination.

converting

The surface roughness typical of these papers may give rise to micro defects with plastic laminating caused by incomplete adhesion of the film to the substrate.

For the correct choice of adhesive, it is advisable to carry out specific testing with the supplier.