SIRIO PEARL MERIDA

description

Papers and boards certify FSC, made with E.C.F. pulp, felt marked. Treated with a pearlescent finish on both sides. Pulp-dyed with light-fast colours. In substance 110 g the perlescent finish is available only on one side. Available in six colours.

range

size	grain	substance
72x102	LG	110 220 290

technical features

ref. standard/instrument

unit of measure

substance	VSA	Taber stiffness 15°		tensile strength	
ISO 536	*ISO 534*	*ISO 2493*		*ISO 1924*	
g/m²	*cm³/g*	*mN*		*kN/m*	
		long±10%	*cross±10%*	*long±10%*	*cross±10%*
110 ± 3%	1,33	10	5	7,2	3,2
220 ± 4%	1,38	100	45	11,7	6,2
290 ± 5%	1,4	220	105	13	7,5

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

ecological features

FSC www.fsc.org FSC® C015523 The mark of responsible forestry

ELEMENTAL CHLORINE FREE GUARANTEED

ACID FREE

LONG-LIFE ISO 9706

HEAVY METAL ABSENCE HM CE 94/62

notes

The suggestions that follow are based on accurate research conducted with numerous printers who have used Sirio Pearl Merida paper with great satisfaction, together with R&D activity with the main producers of inks and auxiliary products for offset printing. The product is completely biodegradable and recyclable. Special runs available upon request.

Envelopes available on stock.

applications

Sirio Pearl Merida is a collection of papers and boards that are suitable for many applications. Excellent for packaging, coordinated graphic materials, covers, inserts, de luxe brochures - wherever the need is to show a technical emphasis, a modern style and futuristic design.

printing suggestions

Can be used without problems with the main printing systems: letterpress, offset, blind embossing, hot foil stamping, thermography and screen printing. The characteristic felt-marking requires specific printing pressure settings. 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 emulsioning 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 for plastic-finished surfaces.

converting suggestions

Good results with major processing operations such as: cutting, die-cutting, scoring, folding and glueing, varnishing and bonding. For the correct choice of adhesive, it is advisable to carry out specific testing with the supplier. The surface roughness typical of marked papers may give rise to micro defects with plastic laminating caused by incomplete adhesion of the film to the substrate.