



# ARCOLASER HP

## description

High white uncoated papers made with E.C.F. pulp, certify FSC. Manufactured with reduced relative humidity in terms of double use with offset pre-printing and then with final printing with digital litho-laser printers. Excellent formation and clarity.

## range

size	grain	substance
45x64	LG	80 90 100
64x88	LG	80 90 100

## technical features

ref. standard/instrument  
unit of measure

substance	VSA	opacity	roughness	tensile strength	
<i>ISO 536</i>	<i>ISO 534</i>	<i>ISO 2471</i>	<i>ISO 8791-2</i>	<i>ISO 1924</i>	
<i>g/m<sup>2</sup></i>	<i>cm<sup>3</sup>/g</i>	<i>%</i>	<i>ml/min</i>	<i>KN/m</i>	
				<i>long±10%</i>	<i>cross±10%</i>
80 ± 3%	1,22	90 ± 2	230 ± 30	5,2	3,2
90 ± 3%	1,22	91 ± 2	230 ± 30	5,8	3,4
100 ± 3%	1,22	92 ± 2	230 ± 30	6,5	3,9

Brightness - ISO 2470 (R457) - 110% ± 2  
Relative Humidity 40% ± 5 ref. TAPPI 502-98

## ecological features



The mark of responsible forestry

ELEMENTAL CHLORINE FREE GUARANTEED



ACID FREE



ISO 9706



CE 94/62

## notes

The product is completely biodegradable 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.

Arcolaser HP paper has been conveniently designed for offset pre-printing and afterwards, after the cutting in A4 size, overprinted with digital xerographic toner based printers. The papers with this features in Fedrigoni, and in other paper mill now, are called Litholaser. The most conventional print is the writing letterhead paper for personal use or for direct marketing.

applications

In offset printing the paper must be treated like a normal uncoated pure pulp paper. We draw up a list of further suggestions: we recommend to avoid heavily inked areas, or recto/verso printing with large masses of colour. Toner is preferable to be put out of offset printing areas. Grain direction in the finished size (A4) must be parallel to the long side. The sheet printed and supplied to the final customer must be in conditions of good flatness. For this reason the fountain solution in offset printing must be reduced to the minimum. It is even better to use alcohol-based solutions. Then it is necessary to use inks compatible with the laser printer. Metallic inks might create problems. Do not use anti-setoff spray powder, which might seriously damage the laser-printer. Offset pre-printed paper, straight after manufacturings, must be protected by a waterproof material in order to avoid variations in humidity content. The finished format must be well cut. Cut precision  $\pm 0,5$  mm. If the finished material is punched, it is essential that paper "dots" do not remain, because they might potentially be sources of jamming for the on-press performance. It is advisable to wait a week between pre-printing and laser printing. If it is not possible, it is desirable to wait at least 72 hours. The re-packed material must be kept for 48 hours, before using it in the printer or photocopier room, in order to make it acquire the same temperature.

printing suggestions