



**Clairefontaine**

THIN PAPERS





## CLAIREFONTAINE

*A know how and a long time presence in fine papers.  
An up-to-date and powerful production machine, up  
to 1 000 m/mn, dedicated to these papers.  
A highly automatized converting and logistic plant  
for a perfect service.*

## OUR PAPERS

- **Multi-printing capabilities:** offset, laser and ink-jet.
- **High stiffness** for a perfect printing and folding process.
- **High opacity** obtained through the use of an exclusive filler, produced on site. This environmentally friendly process avoids the use of titanium dioxide, so far the only solution for opacity, with all the negative impacts on the environment.
- **Stable properties:** either in a paper roll, or from batch to batch, in machine or cross direction, the paper properties remain stable and allow a reliable use by our customers.



This range of low weights, high opacity thin papers is designed for the printing of leaflets for pharmaceutical and cosmetic products, as well as high pagination books.

C-PHARMA® is available in a whiteness of 130 CIE, in 40, 45 and 50 gsm.

Available in reels and sheets.



## FEATURES

Substance	<i>gsm</i>	<b>40</b>	<b>45</b>	<b>50</b>	<i>NF EN ISO 536</i>
Thickness	<i>µm</i>	52	59	65	<i>NF EN ISO 534</i>
Bulk	<i>cm³/g</i>	1.30	1.30	1.30	<i>NF EN ISO 534</i>
Brightness	<i>CIE</i>	130	130	130	<i>NF ISO 11475</i>
Bendtsen roughness	<i>ml/min</i>	100	100	100	<i>ISO 8791-2</i>
Absolute humidity	<i>%H<sub>2</sub>O</i>	4.5	4.5	4.5	<i>NF EN ISO 20287</i>
Relative humidity	<i>% in the air</i>	30	30	30	<i>Sword measurement</i>
Opacity	<i>%</i>	84	86	88	<i>NF ISO 2471</i>
Formation index	<i>Index on 120</i>	85	85	85	<i>Kajaani measurement</i>



## SMART PRINT PAPERS®

With a high 168 CIE whiteness and a good opacity, SMARTPRINT® is offered in 50, 60 and 70 gsm. With a full range of sizes, its main applications are offset and preprint as well as office uses. It is guaranteed for a trouble free laser printing process. It can be used for pharmaceutical and cosmetic leaflets, technical brochures or office purpose.

### FEATURES

Substance	<i>gsm</i>	<b>50</b>	<b>60</b>	<b>70</b>	<i>NF EN ISO 536</i>
Thickness	<i>µm</i>	72	86	96	<i>NF EN ISO 534</i>
Bulk	<i>cm<sup>3</sup>/g</i>	1.44	1.43	1.37	<i>NF EN ISO 534</i>
Brightness	<i>CIE</i>	168	168	168	<i>NF ISO 11475</i>
Bendtsen roughness	<i>ml/min</i>	220	220	150	<i>ISO 8791-2</i>
Absolute humidity	<i>%H<sub>2</sub>O</i>	4.2	4.2	4.2	<i>NF EN ISO 20287</i>
Relative humidity	<i>% in the air</i>	28	28	28	<i>Sword measurement</i>
Opacity	<i>%</i>	84	88	91	<i>NF ISO 2471</i>
Formation index	<i>Index on 120</i>	90	95	95	<i>Kajaani measurement</i>





## PUBLISHING & DIARY PAPERS

Available in different shades, from high white to ivory, this range is produced on demand.

Diary paper: the high opacity and a strong sizing guarantee the absence of bleed through and a precise writing with no feathering of the ink.





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