

# Future lasertech

## Technical details

<b>Description:</b>	Woodfree uncoated paper for high-volume copying and printing.
<b>Printing method:</b>	Copying, B/W laser printing, Fax
<b>End use:</b>	Circulars, Newsletters
<b>Furnish:</b>	Chemical pulp
<b>Finish:</b>	Machine finished
<b>Wrapping:</b>	Strong kraft paper, Strong moisture proof polyethylene laminated kraft paper
<b>Production Units:</b>	Kymi, Nordland

### Technical Details

Basis Weight (g/m <sup>2</sup> )	80.0
Bulk (cm <sup>3</sup> /g)	1.27
Roughness Bendtsen (ml/min)	250
CIE Whiteness (%)	149
Opacity ISO (%)	92
Brightness D65 (%)	103

Tolerances are based upon 95% confidence limits on single mill measurements of random samples measured in manufacturing conditions.





**Product**

**WFU paper** (Papers for copying and printing (A4/ A3),  
PrePrint papers, UPM Mail paper, UPM DIGI Fine papers)

**Company**

**UPM-Kymmene Corporation**

**Site**

**Kymi PM 9**

Information gathered from **1.1.2004** to **31.12.2004**

Environmental product declaration for paper

**Environmental Management**

**Certified environmental management system** (at the mill since) **ISO 14001 (1995), EMAS (1999)**

**Environmental aspects of wood procurement**

ISO 14001 and EMAS certificates. According to the verified Chain-of-Custody, 40 % of the fibre used  
in paper production in 2004 came from FFCS/PEFC certified forests.

**Environmental parameters**

The figures are based on methods and procedures of measurement approved by the local (or national) environmental regulators at the production site. The figures include both paper and pulp production.

<b>Water</b>	<b>COD</b>	<b>12</b>	kg/t
	<b>AOX</b>	<b>0.17</b>	kg/t
	<b>N<sub>Tot</sub></b>	<b>0.10</b>	kg/t
	<b>P<sub>Tot</sub></b>	<b>0.01</b>	kg/t

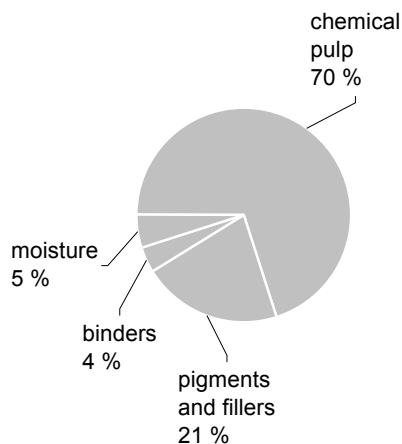
<b>Air</b>	<b>SO<sub>2</sub></b>	<b>0.4</b>	kg/t
	<b>NO<sub>x</sub></b>	<b>1.7</b>	kg/t
	<b>CO<sub>2</sub> (fossil)</b>	<b>210</b>	kg/t

**Solid waste landfilled** **21** BDkg/t

**Purchased electricity consumption**

/ tonne of final product **230** kWh

**Product composition**



**More information**

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UPM-Kymmene  
Kymi

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## PERMANENT PAPER ISO 9706

According to permanent paper standard ISO 9706

The paper has to

- be neutral sized (AKD, ASA sizing agent)
- have pH 7,5 – 10
- contain at least 2 % Calcium Carbonate
- be made of fully bleached pulps ( $Kappa < 5$ )
- have tear resistance  $> 350$  mN

Future lasertech, Future multitech and Future inktech fulfil the demands of this standard.

Sincerely,

Päivi Forsberg  
Technical marketing of office papers

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