

Future multitech

Technical details for Kymi

Production Unit:	Kymi
Description:	Woodfree uncoated all-round paper.
Printing method:	B/W laser printing, B/W inkjet printing, Copying, Fax
End use:	Correspondence, Memos, Fax papers, Reports
Furnish:	Chemical pulp
Finish:	Machine finished
Wrapping:	Strong moisture proof polyethylene laminated kraft paper
Certified Management Systems:	Permanent Paper ISO 9706, ISO 14001, OHSAS 18001, EMAS, PEFC-Logo Licence, Food Approval Statement, 94/62 EC Heavy Metal Certificate, Recyclable product, BfR Food Certificate, ISO 9001, FFCS 1003-1, Chain of Custody

Trim Properties

	PM 9
Maximum reel width (cm)	283
Minimum reel width (cm)	17
Maximum reel diameter (cm)	140
Minimum reel diameter (cm)	100
Core options (mm)	71, 76, 152

Technical Details for Kymi

Basis Weight (g/m ²)	80.0	90.0	100.0
Bulk (cm ³ /g)	1.31	1.31	1.31
Roughness Bendtsen (ml/min)	230	230	230
Opacity ISO (%)	93	94	95
Brightness D65 (%)	109	109	109
CIE Whiteness (%)	160	160	160
Thickness (µm)	105	118	131

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.

Water	COD	12	kg/t
	AOX	0.17	kg/t
	N_{Tot}	0.10	kg/t
	P_{Tot}	0.01	kg/t

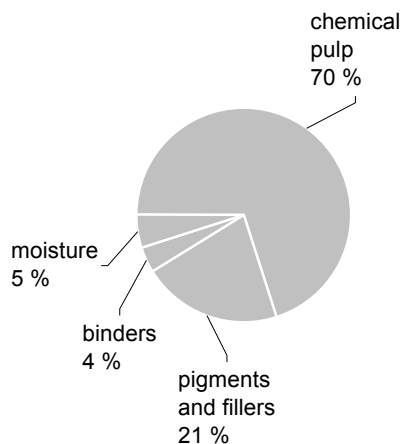
Air	SO₂	0.4	kg/t
	NO_x	1.7	kg/t
	CO₂ (fossil)	210	kg/t

Solid waste landfilled **21** BDkg/t

Purchased electricity consumption

/ tonne of final product **230** kWh

Product composition



More information

Contact person **Natasha Rubanin**

Address P.O. Box 380

FIN-00101 Helsinki, Finland

Phone +358 204 150 758

E-mail natasha.rubanin@upm-kymmene.com



UPM-Kymmene
Kymi

Information letter 1 (1)
Public
7 April, 2006
Technical marketing, Office Papers/Päivi
Forsberg

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

Member of the UPM-Kymmene Group

UPM-Kymmene Corporation
Kymi
Selluntie 1
FIN-45700 Kuusankoski
Finland

Tel. +358 204 15 121
Fax +358 204 15 2203
www.upm-kymmene.com

Domicile Helsinki
Business identity code 1041090-0
VAT No FI10410900