

UPM FINE

The name says it all. UPM Fine. It provides high brightness, optimal opacity and outstanding suitability for processing. UPM Fine is a flexible multi-use paper. It's ideal grade for flyers, business reports, magazines and posters.

UPM FINE:

Category	Sheet fed offset papers
Grade	Woodfree uncoated (WFU)
End use	Advertising material Books Business forms Direct mailing Magazines Newspaper supplements Posters
Finish	Machine finished
Furnish	Hardwood and softwood sulphate pulp
Printing method	Sheet fed offset
Format/Size	Sheets
Wrapping	Strong kraft paper Strong moisture proof polyethylene laminated kraft paper
Certificates and labels	EES+ ISO 50001 EU Ecolabel FSC Chain-of-Custody EN 71/3:1988 D Safety of Toys 94/62 EC Heavy Metal Certificate BfR Food Certificate PEFC Chain-of-Custody Permanent Paper ISO 9706 EMAS ISO 9001 OHSAS 18001 ISO 14001
Note	FSC® and PEFC™ on request but subject to availability. Energy Management System ISO 50001 in place at Nordland mill and EES+ at Kymi mill.

TECHNICAL TARGET VALUES:

Basis Weight (ISO 536) (g/m²)	60.0	70.0	80.0	90.0	100.0	110.0	120.0	140.0	150.0	170.0	190.0	250.0	300.0	350.0
Thickness (ISO 534) (µm)	75.0	88.0	100.0	113.0	123.0	132.0	143.0	161.0	172.0	189.0	209.0	274.0	329.0	380.0
Bulk (ISO 534) (cm³/g)	1.25	1.25	1.25	1.25	1.23	1.20	1.19	1.15	1.15	1.11	1.10	1.10	1.10	1.09
Brightness D65 (ISO 2470-2) (%)	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
CIE Whiteness (ISO 11475:2017) (%)	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
Opacity ISO (2471) (%)	87.5	90.5	92.5	94.5	95.5	96.5	97.0	98.0	98.5	99.0	99.5	99.7	99.9	99.9
Roughness Bendsen (ISO 8791-2) (ml/min)	200.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0

Please note: Technical values are informative and subject to production variations.

PREPRESS GUIDELINES:

Characterisation data	Fogra 47, Fogra 52
FOGRA Char. Data (FM)	Fogra 44 FM