



UPM ULTRA H

Developed especially for modern, demanding print jobs, UPM Ultra brings out even the gentlest of colour tones magnificently. The versatile paper is your reliable and economical choice for magazines, catalogues, advertising material and flyers.

UPM ULTRA H :

Category:	Heatset web offset papers
Grade:	Lightweight coated (LWC)
End use:	Advertising material, Brochures, Direct mailing, Magazines
Finish:	Gloss
Furnish:	Chemical pulp, Coating colour, Mechanical pulp
Printing Method:	Heatset web offset
Format/Size:	Reels
Reel Diameter (cm) :	80.0 - 150.0
Reel Width (cm) :	36.0 - 432.0
Core (mm):	76.0 / 150.0
Wrapping:	Strong kraft paper, Strong moisture proof polyethylene laminated kraft paper
Certificates and Labels:	BfR Food Certificate, EMAS, EN 16001, EU Ecolabel, FSC Chain-of-Custody, ISO 14001, ISO 50001, ISO 9001, OHSAS 18001, PEFC Chain-of-Custody
Note:	Recycled fibre from Augsburg. PEFC® und FSC™ on request but subject to availability. Energy Management system EN 16001/ISO 50001 in place at Plattling Mill/Augsburg Mill. Food certificate at Plattling Mill.

TECHNICAL TARGET VALUES

Basis Weight (ISO 536) (g/m²)	51.0	54.0	57.0	60.0	65.0	70.0	75.0	80.0
Bulk (ISO 534) (cm³/g)	0.90	0.90	0.90	0.90	0.90	0.80	0.80	0.80
Brightness D65 (ISO 2470-2) (%)	79.0	80.0	81.0	82.0	88.0	90.0	90.0	90.0
CIE Whiteness (%)	88.0	90.0	90.0	90.0	100.0	105.0	105.0	105.0
L-value D65 (D65/10°) (ISO 5631-2)	91.0	91.0	91.0	91.0	92.0	93.0	93.0	92.5
a-value D65 (D65/10°) (ISO 5631-2)	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.5
b-value D65 (D65/10°) (ISO 5631-2)	-2.3	-2.3	-2.5	-3.2	-3.8	-5.0	-5.0	-5.0
Opacity ISO (2471) (%)	88.0	89.0	90.0	91.0	92.0	93.0	94.0	94.0
Gloss Hunter (ISO 8254-1) (%)	50.0	55.0	58.0	60.0	64.0	64.0	66.0	66.0
Smoothness PPS 10 (ISO 8791-4) (µm)	1.4	1.3	1.2	1.2	1.1	1.1	1.1	1.1

PREPRESS GUIDELINES

CIE L*-value (D50/2°) WB	92.9
CIE a*-value (D50/2°) WB	1.0
CIE b*-value (D50/2°) WB	-1.4
Max. Total Area (TAC%)	300
ICC Paper profile	PSO_LWC_Improved.eci.icc
Characterisation data	FOGRA45L.txt
TVI Curve	B(CMY), C(K)
AM Screen recommendation (l/cm)	60
FM Screen recommendation (µm)	25
Measurement condition for D50	ISO 13655, M0; D50/2°
Measurement equipment	Techkon RS800



UPM ULTRA SILK H

Developed especially for modern, demanding print jobs, UPM Ultra brings out even the gentlest of color tones magnificently. The versatile paper is your reliable and economical choice for magazines, catalogs, advertising material and flyers.

UPM ULTRA SILK H :

Category:	Heatset web offset papers
Grade:	Lightweight coated (LWC)
End use:	Advertising material, Brochures, Direct mailing, Magazines
Finish:	Silk
Furnish:	Chemical pulp, Coating colour, Mechanical pulp
Printing Method:	Heatset web offset
Format/Size:	Reels
Reel Diameter (cm) :	90.0 - 125.0
Reel Width (cm) :	40.0 - 246.0
Core (mm):	76.0
Wrapping:	Strong kraft paper, Strong moisture proof polyethylene laminated kraft paper
Certificates and Labels:	EMAS, EU Ecolabel, FSC Chain-of-Custody, ISO 14001, ISO 9001, OHSAS 18001, PEFC Chain-of-Custody
Note:	PEFC™ and FSC® on request but subject to availability

TECHNICAL TARGET VALUES

Basis Weight (ISO 536) (g/m²)	60.0	65.0	70.0
Bulk (ISO 534) (cm³/g)	0.93	0.92	0.92
Brightness D65 (ISO 2470-2) (%)	82.0	85.0	86.0
CIE Whiteness (%)	92.0	98.0	100.0
L-value D65 (D65/10°) (ISO 5631-2)	91.0	91.0	92.0
a-value D65 (D65/10°) (ISO 5631-2)	0.2	0.2	0.4
b-value D65 (D65/10°) (ISO 5631-2)	-3.0	-3.8	-4.4
Opacity ISO (2471) (%)	92.5	94.0	94.5
Gloss Hunter (ISO 8254-1) (%)	45.0	45.0	45.0

PREPRESS GUIDELINES

CIE L*-value (D50/2°) WB	92.7
CIE a*-value (D50/2°) WB	1.1
CIE b*-value (D50/2°) WB	-0.7
Max. Total Area (TAC%)	300
ICC Paper profile	PSO_LWC_Improved.eci.icc
Characterisation data	FOGRA45L.txt
TVI Curve	B(CMY), C(K)
AM Screen recommendation (l/cm)	60
FM Screen recommendation (µm)	25
Measurement condition for D50	ISO 13655, M0; D50/2°
Measurement equipment	Techkon RS800