



## UPM STAR H

Want stellar quality for your print job? Then UPM Star is your choice for luxurious magazines and catalogues as well as marketing materials. Its gloss and mirror-like smoothness enhances image details and depth.

### UPM STAR H :

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

▼ TECHNICAL TARGET VALUES

<b>Basis Weight (ISO 536) (g/m<sup>2</sup>)</b>	60.0	65.0	70.0	75.0	80.0	90.0	100.0
<b>Bulk (ISO 534) (cm<sup>3</sup>/g)</b>	0.80	0.80	0.80	0.80	0.80	0.80	0.80
<b>Brightness D65 (ISO 2470-2) (%)</b>	89.0	91.0	93.0	94.0	95.0	96.0	96.0
<b>CIE Whiteness (%)</b>	106.0	110.0	115.0	117.0	120.0	122.0	122.0
<b>L-value D65 (D65/10°) (ISO 5631-2)</b>	93.0	93.0	93.0	94.0	94.0	94.0	94.0
<b>a-value D65 (D65/10°) (ISO 5631-2)</b>	0.9	1.0	1.2	1.2	1.2	1.4	1.4
<b>b-value D65 (D65/10°) (ISO 5631-2)</b>	-6.0	-6.0	-7.0	-7.5	-7.5	-8.0	-8.0
<b>Opacity ISO (2471) (%)</b>	90.0	92.0	93.0	94.0	95.0	96.0	96.0
<b>Gloss Hunter (ISO 8254-1) (%)</b>	62.0	65.0	65.0	68.0	70.0	70.0	70.0
<b>Smoothness PPS 10 (ISO 8791-4) (µm)</b>	1.0	1.0	1.0	1.0	0.9	0.9	0.9

## PREPRESS GUIDELINES

<b>CIE L*-value (D50/2°) WB</b>	93.8
<b>CIE a*-value (D50/2°) WB</b>	1.3
<b>CIE b*-value (D50/2°) WB</b>	-2.7
<b>Max. Total Area (TAC%)</b>	300
<b>ICC Paper profile</b>	ISOcoated_v2_300_eci.icc
<b>Characterisation data</b>	FOGRA39L.txt
<b>TVI Curve</b>	A(CMY), B(K)
<b>AM Screen recommendation (l/cm)</b>	60 - 70
<b>ISO/ECI Profile (FM)</b>	PSO_Coated_300_NPscreen_ISO12647_eci.icc
<b>FOGRA Char. Data (FM)</b>	FOGRA43L.txt
<b>TVI Curve (FM)</b>	F(CMYK)
<b>FM Screen recommendation (µm)</b>	25
<b>Measurement condition for D50</b>	ISO 13655, M0; D50/2°
<b>Measurement equipment</b>	Techkon RS800



## UPM STAR SILK H

Want stellar quality for your print job? Then UPM Star is your choice for luxurious magazines and catalogues as well as marketing materials. Its gloss and mirror-like smoothness enhances image details and depth.

### UPM STAR SILK H:

<b>Category:</b>	Heatset web offset papers
<b>Grade:</b>	Medium weight coated (MWC)
<b>End use:</b>	Advertising material, Books, Brochures, Catalogues, Direct mailing, High-quality magazines, Magazines
<b>Finish:</b>	Silk
<b>Furnish:</b>	Chemical pulp, Coating colour, Mechanical pulp
<b>Printing Method:</b>	Heatset web offset
<b>Format/Size:</b>	Reels
<b>Reel Diameter (cm) :</b>	80.0 - 150.0
<b>Reel Width (cm) :</b>	36.0 - 432.0
<b>Core (mm):</b>	76.0 / 150.0
<b>Wrapping:</b>	Strong kraft paper, Strong moisture proof polyethylene laminated kraft paper
<b>Certificates and Labels:</b>	EMAS, EN 16001, EU Ecolabel, FSC Chain-of-Custody, ISO 14001, ISO 9001, OHSAS 18001, PEFC Chain-of-Custody
<b>Note:</b>	PEFC and FSC on request but subject to availability Energy Management System EN 16001 in place at Plattling Mill.

## ▼ TECHNICAL TARGET VALUES

<b>Basis Weight (ISO 536) (g/m<sup>2</sup>)</b>	60.0	65.0	70.0	75.0	80.0	90.0	100.0
<b>Bulk (ISO 534) (cm<sup>3</sup>/g)</b>	0.90	0.90	1.00	1.00	1.00	1.00	1.00
<b>Brightness D65 (ISO 2470-2) (%)</b>	89.0	90.0	94.0	95.0	95.0	96.0	96.0
<b>CIE Whiteness (%)</b>	107.0	107.0	116.0	118.0	120.0	122.0	122.0
<b>L-value D65 (D65/10°) (ISO 5631-2)</b>	92.0	92.0	94.0	94.0	94.0	94.0	94.0
<b>a-value D65 (D65/10°) (ISO 5631-2)</b>	0.6	0.6	1.2	1.2	1.2	1.3	1.3
<b>b-value D65 (D65/10°) (ISO 5631-2)</b>	-5.5	-5.5	-7.0	-7.5	-7.5	-8.0	-8.0
<b>Opacity ISO (2471) (%)</b>	91.0	93.0	94.0	95.0	96.0	97.0	97.0
<b>Gloss Hunter (ISO 8254-1) (%)</b>	30.0	30.0	30.0	30.0	30.0	30.0	30.0
<b>Smoothness PPS 10 (ISO 8791-4) (µm)</b>	2.2	1.8	2.5	2.5	2.5	2.5	2.5

75 g/m<sup>2</sup> upon request.

## PREPRESS GUIDELINES

<b>CIE L*-value (D50/2°) WB</b>	94.1
<b>CIE a*-value (D50/2°) WB</b>	1.5
<b>CIE b*-value (D50/2°) WB</b>	-2.9
<b>Max. Total Area (TAC%)</b>	300
<b>ICC Paper profile</b>	ISOcoated_v2_300_eci.icc
<b>Characterisation data</b>	FOGRA39L.txt
<b>TVI Curve</b>	A(CMY), B(K)
<b>AM Screen recommendation (l/cm)</b>	60
<b>ISO/ECI Profile (FM)</b>	PSO_Coated_300_NPscreen_ISO12647_eci.icc
<b>FOGRA Char. Data (FM)</b>	FOGRA43L.txt
<b>TVI Curve (FM)</b>	F(CMYK)
<b>FM Screen recommendation (µm)</b>	25
<b>Measurement condition for D50</b>	ISO 13655, M0; D50/2°
<b>Measurement equipment</b>	Techkon RS800