

# 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 high brightness and smoothness enhance 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>	Fillers   Chemical pulp   Mechanical pulp
<b>Printing method</b>	Heatset web offset
<b>Format/Size</b>	Reels
<b>Reel Diameter (cm)</b>	100,0 - 125,0
<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   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

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	92.0	93.0	94.0	95.0	95.0
<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

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

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>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