

# 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 / 120 / 125
<b>Reel Width (cm)</b>	36,0 - 370,0
<b>Core (mm)</b>	76,0 / 150,0
<b>Wrapping</b>	Strong moisture proof polyethylene laminated kraft paper
<b>Certificates and labels</b>	EES+   EU Ecolabel   FSC Chain-of-Custody   PEFC Chain-of-Custody   EMAS   ISO 9001   ISO 45001   ISO 14001
<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 (ISO 11475:2017)</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>Characterisation data</b>	Fogra 39, Fogra 51
------------------------------	--------------------