

## UPM STAR MATT 1.2 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 MATT 1.2 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>	Matt
<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>Certificates and labels</b>	EMAS   EU Ecolabel   FSC Chain-of-Custody   ISO 14001   ISO 50001   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	70.0	80.0	90.0	100.0
<b>Bulk (ISO 534) (cm<sup>3</sup>/g)</b>	1.20	1.20	1.20	1.20	1.20
<b>Brightness D65 (ISO 2470-2) (%)</b>	93.0	91.0 / 93.0	92.0 / 95.0	92.0	92.0
<b>CIE Whiteness (%)</b>	115.0	106.0 / 115.0	106.0 / 120.0	106.0	106.0
<b>L-value D65 (D65/10°) (ISO 5631-2)</b>	93.5	93.5	93.5	93.5	93.5
<b>a-value D65 (D65/10°) (ISO 5631-2)</b>	1.2	0.8 / 1.2	0.8 / 1.4	0.8	0.8
<b>b-value D65 (D65/10°) (ISO 5631-2)</b>	-7.0	-5.5 / -7.0	-6.0 / -7.5	-6.0	-6.0
<b>Opacity ISO (2471) (%)</b>	93.0	94.0	95.0	96.0	97.0
<b>Gloss Hunter (ISO 8254-1) (%)</b>	16.0	16.0	18.0	18.0	18.0
<b>Smoothness PPS 10 (ISO 8791-4) (µm)</b>	3.5	5.0 / 3.5	5.0 / 3.5	5.0	5.0

100 g/m<sup>2</sup> available on request

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