

# 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.

## Recommended end-uses

Advertising material | Books | Brochures | Catalogues | Direct mailing | High-quality magazines | Magazines

## Product information

Regions	Asia-Pacific   Africa   Europe   Middle East   South America
Business contact	<b>UPM Communication Papers</b>
Category	Heatset web offset papers
Grade	Medium weight coated (MWC)
Finish	Gloss
Furnish	Fillers   Chemical pulp   Mechanical pulp
Printing method	Heatset web offset
Format/Size	Reels
Reel diameter (cm)	100 / 120 / 125
Reel width (cm)	36,0 - 370,0
Core (mm)	76,0 / 150,0
Wrapping	Strong moisture proof polyethylene laminated kraft paper
Note	PEFC and FSC® on request but subject to availability

## Certificates

Product Compliance	EU Ecolabel
Fibre Certificates	FSC Chain-of-Custody   PEFC Chain-of-Custody
Mill Certificates	EES+   EMAS   ISO 9001   ISO 45001   ISO 14001

## Technical target values

Basis weight (ISO 536) (g/m <sup>2</sup> )	60.0	65.0	70.0	75.0	80.0	90.0	100.0
Bulk (ISO 534) (cm <sup>3</sup> /g)	0.9	0.9	0.85	0.85	0.85	0.8	0.8
Brightness D65 (ISO 2470-2) (%)	89	91	92	93	94	95	95
CIE Whiteness (ISO 11475)	106	110	115	117	120	122	122
L-value D65 (D65/10°) (ISO 5631-2)	92	92	92	93	93	93	93
a-value D65 (D65/10°) (ISO 5631-2)	0.9	1.0	1.2	1.2	1.2	1.4	1.4
b-value D65 (D65/10°) (ISO 5631-2)	-6.0	-6.0	-7.0	-7.5	-7.5	-8.0	-8.0
Opacity ISO (2471) (%)	90	92	93	94	95	96	96
Gloss Hunter (ISO 8254-1) (%)	55	60	60	60	65	65	65
Smoothness PPS 10 (ISO 8791-4) (µm)	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

Characterisation data	Fogra 39, Fogra 51
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