

# UPM Star H (HSWO)

## Technical details

<b>Description:</b>	High-brightness, coated mechanical paper (MWC).
<b>Printing method:</b>	Heatset web offset
<b>End use:</b>	Magazines, Advertising material, Brochures, Catalogues, High-quality magazines, Direct mailing, Books
<b>Furnish:</b>	Coating colour, Chemical pulp, Mechanical pulp
<b>Finish:</b>	Gloss
<b>Wrapping:</b>	Strong moisture proof polyethylene laminated kraft paper, Strong kraft paper
<b>Production Units:</b>	Rauma, Kaukas, Myllykoski, Albbbruck, Plattling

### Technical Target Values

Basis Weight (g/m <sup>2</sup> )	60.0	65.0	70.0	75.0	80.0	90.0	100.0
Opacity ISO (2471) (%)	90-92	92-93	92-93	94	94-95	95-96	96
Gloss Hunter (ISO 8254-1) (%)	59-62	61-65	65-66	68	70	70-72	70
Smoothness PPS 10 (ISO 8791-4) (µm)	1-1.1	1-1.1	1-1.4	1	0.9-1.4	0.9-1.4	0.9
Bulk (ISO 534) (cm <sup>3</sup> /g)	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Brightness D65 (ISO 2470-2) (%)	89-90	89-91	93	94	94-95	94-96	96
L-value D65 (D65/10°) (ISO 5631-2) (%)	92-93	92-93	93	94	93-94	93-94	94
a-value D65 (D65/10°) (ISO 5631-2) (.)	0.6-0.9	0.6-1	1.2-1.5	1.2-1.4	1.2-1.5	1.4-1.5	1.4
b-value D65 (D65/10°) (ISO 5631-2) (.)	-5.5	-6-5.5	-7.5-7	-7.5	-8-7.5	-8	-8