

## UPM ULTRA MATT H

Developed especially for modern, demanding print jobs, UPM Ultra brings out even the gentlest of color tones magnificently. The versatile paper is your reliable and economical choice for magazines, catalogs, advertising material and flyers.

### UPM ULTRA MATT H:

|                                |                                                                                                             |
|--------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Category</b>                | Heatset web offset papers                                                                                   |
| <b>Grade</b>                   | Lightweight coated (LWC)                                                                                    |
| <b>End use</b>                 | Advertising material   Books   Brochures   Catalogues   Direct mailing   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 / 120 / 125                                                                                             |
| <b>Reel Width (cm)</b>         | 40,0 - 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> | 54.0 | 57.0 | 60.0 | 65.0 | 70.0 |
| <b>Bulk (ISO 534) (cm<sup>3</sup>/g)</b>        | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| <b>Brightness D65 (ISO 2470-2) (%)</b>          | 82.0 | 84.5 | 84.5 | 84.5 | 85.0 |
| <b>CIE Whiteness (ISO 11475:2017)</b>           | 92.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| <b>L-value D65 (D65/10°) (ISO 5631-2)</b>       | 91.0 | 91.0 | 91.0 | 92.0 | 92.0 |
| <b>a-value D65 (D65/10°) (ISO 5631-2)</b>       | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| <b>b-value D65 (D65/10°) (ISO 5631-2)</b>       | -3.0 | -3.0 | -3.0 | -3.0 | -3.0 |
| <b>Opacity ISO (2471) (%)</b>                   | 90.0 | 92.0 | 93.0 | 94.0 | 95.0 |
| <b>Gloss Hunter (ISO 8254-1) (%)</b>            | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |

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

## PREPRESS GUIDELINES:

|                              |          |
|------------------------------|----------|
| <b>Characterisation data</b> | Fogra 45 |
|------------------------------|----------|