

## UPM NEWS C

Make sure your print runs go smoothly and the printed products are as good as expected. UPM News combines excellent runnability and printability to meet the needs of newspaper publishers, retailers and printers.

### UPM NEWS C:

<b>Category</b>	Coldset web offset papers
<b>Grade</b>	Newsprint (News)
<b>End use</b>	Advertising material   Newspaper inserts   Newspapers
<b>Finish</b>	Matt
<b>Furnish</b>	Mechanical pulp   Recycled fibre
<b>Printing method</b>	Coldset web offset   Waterless printing
<b>Format/Size</b>	Reels
<b>Reel Diameter (cm)</b>	100.0 - 150.0
<b>Reel Width (cm)</b>	25.0 - 359.0
<b>Core (mm)</b>	76.0 / 150.0
<b>Wrapping</b>	Strong kraft paper   Strong moisture proof polyethylene laminated kraft paper
<b>Certificates and labels</b>	EES+   ISO 50001   Blue Angel RAL-UZ 14   FSC Recycled   EU Ecolabel   Blue Angel RAL-UZ 72   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>	40.0	42.0	42.5	45.0	48.8	52.0
<b>Bulk (ISO 534) (cm<sup>3</sup>/g)</b>	1.35 - 1.65	1.35 - 1.65	1.35 - 1.65	1.35 - 1.65	1.35 - 1.65	1.35 - 1.65
<b>Brightness D65 (ISO 2470-2) (%)</b>	58.0	58.0	58.0	58.0	58.0	58.0
<b>L-value D65 (D65/10°) (ISO 5631-2)</b>	83.4	83.4	83.4	83.4	83.4	83.4
<b>a-value D65 (D65/10°) (ISO 5631-2)</b>	-0.7 / 0.0	-0.7 / 0.0	-0.7 / 0.0	-0.7 / 0.0	-0.7 / 0.0	-0.7 / 0.0
<b>b-value D65 (D65/10°) (ISO 5631-2)</b>	2.2 / 5.0	2.2 / 5.0	2.2 / 5.0	2.2 / 5.0	2.2 / 5.0	2.2 / 5.0
<b>Opacity ISO (2471) (%)</b>	91.0 - 93.5	92.0 - 94.0	92.0 - 94.0	93.0 - 95.0	94.5 - 96.0	95.5 - 97.0
<b>Roughness Bendtsen (ISO 8791-2) (ml/min)</b>	100 - 205	100 - 205	100 - 205	100 - 205	100 - 205	100 - 205

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

PREPRESS GUIDELINES:

<b>Characterisation data</b>	FOGRA42L.txt
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