

# Munken Pure Rough

Extraordinary printing demands extraordinary design paper. The uncoated, extra tactile surface of Munken Pure Rough and its cream shade enhance attributes of images and give even more of the natural paper feel. Thanks to high bulk you can choose a lower grammage and keep thickness as well as paper stability for the best final result. Munken Pure Rough has been developed for offset printing, but is suitable for various kinds of printing techniques; flexo, laser, xerography, digital printing, inkjet and for preprint applications. Also available is a crisp white, Munken Polar Rough, a natural white version, Munken Lynx Rough and the highwhite Munken Kristall Rough. Munken Pure Rough is available both in sheets and reels.

Munken Pure Rough standard products are available as EU Ecolabel, FSC® – The mark of responsible forestry. [www.fsc.org](http://www.fsc.org). FSC-C020637 and PEFC – (Programme for the Endorsement of Forest Certification schemes). [www.pefc.org](http://www.pefc.org). PEFC/05-33-99 certified.



The mark of responsible forestry



## Technical specifications

<b>Basic information:</b>	Optimized for colour printing, Available in sheets, Available in reels
<b>Surface:</b>	Rough, Uncoated
<b>Shade:</b>	Cream
<b>Printing techniques:</b>	Offset, Flexo, Laser, Inkjet (black/white)
<b>Certificates/Statements:</b>	FSC_C020637, PEFC_053399, EU Ecolabel, The paper is inspected for Nordic Ecolabelled printing, ECF, EMAS, Paper Profile, Safety of Toys, Food contact, Age resistant (ISO 9706), Woodfree, Cradle to Cradle Certified®, ISO 9001, ISO 50001, ISO 14001

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<b>Grammage (g/m<sup>2</sup>)</b>	90	100	120	150	170	300 <sup>B</sup>	360 <sup>C</sup>	420 <sup>C</sup>	450 <sup>C</sup>	960 <sup>C</sup>	1200 <sup>C</sup>
<b>Opacity (%)</b>	90	92	94	96	97	100	100	100	100	100	100
<b>Thickness (µm)</b>	126	140	168	210	238	420	504	588	630	1400	1700
<b>Bulk (thickness/grammage)</b>	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
<b>Whiteness (CIE)</b>	66	66	66	66	66	66	66	66	66	66	66
<b>Brightness (ISO 2470/D65 %)</b>	84	84	84	84	84	84	84	84	84	84	84
<b>Roughness (Bendtsen, ml/min)</b>	550	550	550	550	550	550	550	550	550	550	550

<sup>B</sup> Laminated paper

<sup>C</sup> Laminated and optimized paper for exclusive luxury packaging, boxes or artwork with higher strength and stiffness.

Screen recommended 133-150 lpi

Values are targets only and can be subject to changes over time without prior notice. You will find the latest technical information and other technical recommendations about our products at [arcticpaper.com](http://arcticpaper.com)