

## MUNKEN KRISTALL ROUGH

Extraordinary printing demands extraordinary design paper. The uncoated, extra tactile surface of Munken Kristall Rough and its true highwhite shade make a perfect combination for well-defined images and even more of a 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 Kristall Rough is developed for offset print and also suitable for various kinds of printing techniques; flexo, laser, xerography, digital printing, inkjet and for preprint applications. The Munken Design range is also available as a cream shade - Munken Pure Rough, a natural white version - Munken Lynx Rough and a crisp white - Munken Polar Rough.

Munken Kristall 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™ PEFC/05-33-99 certified.



The mark of responsible forestry



### BASIC INFORMATION

Optimized for colour printing.  
Available in sheets. Available in reels

### ENVIRONMENT / SAFETY

EU Ecolabel, The paper is inspected for Nordic Ecolabelled printing, ECF, ISO 14001, EMAS, Paper Profile, Safety of Toys, Food contact, Age resistant (ISO 9706), Woodfree, FSC\_C020637, PEFC\_053399

### PRINTING TECHNIQUES

Offset, Flexo, Laser, Inkjet  
(black/white)

### SHADE

Highwhite

### SURFACE

Uncoated, Rough

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Grammage (g/m <sup>2</sup> )	100	120	150	170	300 <sup>B</sup>
Opacity (%)	94	96	98	98	100
Thickness (µm)	140	168	210	238	420
Bulk (thickness/grammage)	1.4	1.4	1.4	1.4	1.4
Whiteness (CIE)	155	155	155	155	155
Brightness (ISO 2470/D65 %)	112	112	112	112	112
Roughness (Bendtsen, ml/min)	550	550	550	550	550

Screen recommended 133-150 lpi

<sup>B</sup> Laminated paper

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)