

# Munken Kristall

Extraordinary printing demands extraordinary design paper. The true high white shade of Munken Kristall will give an extra dimension and tonal contrast to images, whilst the smooth surface adds an exclusive, yet very natural feel to the printed material. Munken Kristall has been developed for offset print and also suitable for various kinds of printing techniques; flexo, laser, xerography, digital printing, inkjet and for preprint applications. The 90 g/m<sup>2</sup> is even further developed as a fully adapted preprint paper. The Munken Design range is also available as a cream shade – Munken Pure, a natural white version – Munken Lynx and a crisp white – Munken Polar.

Munken Kristall 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.



## Technical specifications

<b>Basic information:</b>	Optimized for colour printing, Available in sheets, Available in reels
<b>Surface:</b>	Smooth, Uncoated
<b>Shade:</b>	HighWhite
<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, Cradle to Cradle Certified®, ISO 14001, ECF, EMAS, Paper Profile, Safety of Toys, Food contact, Age resistant (ISO 9706), Woodfree

# Munken Kristall

Grammage (g/m <sup>2</sup> )	90 <sup>*</sup>	100	120	150	170	200	240	300 <sup>B</sup>	400 <sup>B</sup>
Opacity (%)	92	94	96	98	98	99	99	100	100
Thickness (µm)	117	113	136	170	192	226	271	339	452
Bulk (thickness/grammage)	1.3	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Whiteness (CIE)	155	155	155	155	155	155	155	155	155
Brightness (ISO 2470/D65 %)	112	112	112	112	112	112	112	112	112
Roughness (Bendtsen, ml/min)	150	150	150	150	150	150	150	150	150

<sup>B</sup> Laminated paper  
<sup>\*</sup> Fully preprint adapted

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](https://arcticpaper.com)

# 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



## Technical specifications

<b>Basic information:</b>	Optimized for colour printing, Available in sheets, Available in reels
<b>Surface:</b>	Rough, Uncoated
<b>Shade:</b>	HighWhite
<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, ISO 14001, EMAS, Paper Profile, Safety of Toys, Food contact, Age resistant (ISO 9706), Woodfree, Cradle to Cradle Certified®

# Munken Kristall Rough

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

<sup>B</sup> Laminated paper

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](https://arcticpaper.com)