

## 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 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, Smooth

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| Grammage (g/m <sup>2</sup> ) | 90* | 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              |

Screen recommended 133-150 lpi

<sup>B</sup> Laminated paper

\* Fully preprint adapted

Values are targets only and can be subject to changes over time without prior notice.