



# MUNKEN

## MUNKEN POLAR ROUGH (US)

Extraordinary printing demands extraordinary design paper. The uncoated, extra tactile surface of Munken Polar Rough and its bright white shade make a perfect combination for well-defined images and even more of an authentic appeal.

Thanks to high bulk you can choose a lower grammage/basis weight and keep thickness/Caliper as well as paper stability for the best final result. Munken Polar 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. Also available is a natural white, Munken Lynx Rough, a cream white shaded version, Munken Pure Rough and the high white Munken Kristall Rough.

Munken Polar 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.



### BASIC INFORMATION

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

### CERTIFICATES / STATEMENTS

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

### PRINTING TECHNIQUES

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

### SHADE

Crisp white

### SURFACE

Uncoated, Vellum

## MUNKEN POLAR ROUGH

Grammage (g/m <sup>2</sup> )	90	100	120	150	170	300B
Basis Weight, (Text 25x38", lbs.)	61T	67.5T	81T	101.5T		
Basis Weight (Cover 20x26", lbs)					63C	111C
Opacity (%)	91	93	95	97	98	100
Caliper, (Points)	5.0	5.5	6.6	8.3	9.4	16.5
Brightness (Tappi %)	93	93	93	93	93	93
Smoothness (Tappi, Sheffield units)	250	250	250	250	250	250

Screen recommended 133-150 lpi  
B 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)