

# Munken Kraft HighWhite

Munken Kraft HighWhite is a machine finished Bleached Kraft paper with high whiteness, suitable for various bag, wrapping and packaging applications. The paper is produced with a mixture of softwood and hardwood virgin fibre to give it high strength and good printability.



## Technical specifications

|                                 |                                           |
|---------------------------------|-------------------------------------------|
| <b>Basic information:</b>       | Grammages from 38 to 150 g/m <sup>2</sup> |
| <b>Surface:</b>                 | Machine Finished                          |
| <b>Shade:</b>                   | HighWhite                                 |
| <b>Printing techniques:</b>     | Offset, Flexo                             |
| <b>Certificates/Statements:</b> |                                           |

# Munken Kraft HighWhite

|                                        |      |      |       |      |       |      |      |      |      |      |      |      |      |      |      |
|----------------------------------------|------|------|-------|------|-------|------|------|------|------|------|------|------|------|------|------|
| Grammage (g/m²)                        | 38   | 40   | 45    | 50   | 55    | 60   | 70   | 80   | 90   | 100  | 110  | 120  | 130  | 140  | 150  |
| Thickness (µm)                         | 51,3 | 54,0 | 58,5  | 65   | 71,5  | 78,0 | 91   | 100  | 112  | 125  | 138  | 150  | 163  | 175  | 195  |
| Bulk (cm³/g)                           | 1.35 | 1.35 | 1.30  | 1.30 | 1.30  | 1.30 | 1.30 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.30 |
| Roughness (Bendtsen, ml/min)           | 200  | 200  | 200   | 200  | 200   | 200  | 250  | 250  | 250  | 250  | 250  | 250  | 250  | 250  | 350  |
| Opacity (%)                            | 53   | 55   | 59    | 64   | 66    | 68   | 81   | 85   | 88   | 90   | 91   | 92   | 93   | 94   | 96   |
| Brightness (ISO 2470/D65 %)            | 101  | 101  | 101   | 101  | 101   | 101  | 101  | 101  | 101  | 101  | 101  | 101  | 101  | 101  | 101  |
| Whiteness (CIE)                        | 141  | 141  | 141   | 141  | 141   | 141  | 141  | 141  | 141  | 141  | 141  | 141  | 141  | 141  | 141  |
| Cobb60 (g/m²)                          | 25   | 25   | 25    | 25   | 25    | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   |
| Moisture (%)                           | 6    | 6    | 6     | 6    | 6     | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    |
| Tensile Strength MD (ISO 1924-2, kN/m) | 3.42 | 3.6  | 4,05  | 4.5  | 4,95  | 5.4  | 6.7  | 7.5  | 8.4  | 9.0  | 9.5  | 10.2 | 10.4 | 10.5 | 10.7 |
| Tensile Strength CD (ISO 1924-2, kN/m) | 1.52 | 1.6  | 1.8   | 2,0  | 2,2   | 2.4  | 3.2  | 3.5  | 3.9  | 4.0  | 4.1  | 4.2  | 4.3  | 4.5  | 4.6  |
| Tensile Index MD (Nm/g)                | 90   | 90   | 90    | 90   | 90    | 90   | 95   | 93   | 93   | 90   | 86   | 85   | 80   | 75   | 71   |
| Tensile Index CD (Nm/g)                | 40   | 40   | 40    | 40   | 40    | 40   | 45   | 43   | 43   | 40   | 37   | 35   | 33   | 32   | 31   |
| Tear Strength MD (ISO 1974, mN)        | 285  | 300  | 337,5 | 375  | 412,5 | 450  | 525  | 615  | 720  | 850  | 970  | 1100 | 1220 | 1330 | 1500 |
| Tear Strength CD (ISO 1974, mN)        | 304  | 320  | 360   | 400  | 440   | 480  | 665  | 775  | 900  | 1000 | 1200 | 1380 | 1530 | 1680 | 1870 |

|                                     |       |     |     |     |     |     |     |     |     |     |      |      |      |     |      |
|-------------------------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----|------|
| Tear Index MD (Nm <sup>2</sup> /kg) | 7.5   | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.7 | 8   | 8.5 | 8.8  | 9.2  | 9.4  | 9.5 | 10   |
| Tear Index CD (Nm <sup>2</sup> /kg) | 8     | 8   | 8   | 8   | 8   | 8   | 9.5 | 9.7 | 10  | 10  | 10.9 | 11.5 | 11.8 | 12  | 12.5 |
| Burst Strength (ISO 2758, kPa)      | 144,4 | 152 | 171 | 190 | 209 | 228 | 275 | 305 | 330 | 370 | 385  | 395  | 415  | 430 | 445  |
| Burst Index (kPam <sup>2</sup> /g)  | 3.8   | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.9 | 3.8 | 3.7 | 3.7 | 3.5  | 3.3  | 3.2  | 3.1 | 3.0  |

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

Munken Kraft HighWhite **38-60 g/m²** is prodced at Arctic Paper Kostrzyn and holds the following  
 Certificates and Statements: ISEGA certificate (food contact), ISO 14001, EMAS, Paper Profile



Munken Kraft HighWhite **70-150 g/m²** is prodced at Arctic Paper Munkedals and holds the following  
 Certificates and Statements: ISO 14001, ISEGA certificate (food contact), EMAS, Paper Profile



The mark of  
responsible forestry

