



# ARCTIC PAPER

## MUNKEN KRAFT from Arctic Paper Kostrzyn

Munken Kraft is a machine finished Bleached Kraft paper with a natural white shade, suitable for polymer-coating, 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.

Munken Kraft is available as FSC® – The mark of responsible forestry. [www.fsc.org](http://www.fsc.org). FSC® C012880 and PEFC™ PEFC/01-31-126 certified and holds an ISEGA certificate of compliance for food contact.



The mark of  
responsible forestry



### BASIC INFORMATION

Grammages from 38 to 60 g/m<sup>2</sup>

### CERTIFICATES / STATEMENTS

FSC, PEFC, ISO 14001, EMAS, Paper Profile, ISEGA certificate (food contact)

### PRINTING TECHNIQUES

Flexo, Offset

### SHADE

White

### SURFACE

Machine Finished

## MUNKEN KRAFT

Grammage (g/m <sup>2</sup> )	38	40	45	50	55	60
Thickness (µm)	51	54	59	65	72	78
Bulk (cm <sup>3</sup> /g)	1.35	1.35	1.3	1.3	1.3	1.3
Roughness (Bendtsen, ml/min)	200	200	200	200	200	200
Opacity (%)	53	55	59	64	66	68
Brightness (ISO 2470/D65, %)	95	95	95	95	95	95
Whiteness (CIE)	115	115	115	115	115	115
Cobb <sub>60</sub> (g/m <sup>2</sup> )	25	25	25	25	25	25
Moisture (%)	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
Tensile Strength CD (ISO 1924-2, kN/m)	1.52	1.6	1.8	2.0	2.2	2.4
Tensile Index MD (Nm/g)	90.0	90.0	90.0	90.0	90.0	90.0
Tensile Index CD (Nm/g)	40.0	40.0	40.0	40.0	40.0	40.0
Tear Strength MD (ISO 1974, mN)	285	300	337.5	375	412.5	450
Tear Strength CD (ISO 1974, mN)	304	320	360	400	440	480
Tear Index MD (Nm <sup>2</sup> /kg)	7.5	7.5	7.5	7.5	7.5	7.5
Tear Index CD (Nm <sup>2</sup> /kg)	8	8	8	8	8	8
Burst Strength (ISO 2758, kPa)	144.4	152	171	190	209	228
Burst Index (kPam <sup>2</sup> /g)	3.8	3.8	3.8	3.8	3.8	3.8

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



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## MUNKEN KRAFT from Arctic Paper Munkedal

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

Munken Kraft is Cradle to Cradle Certified® at bronze level, has a Cradle to Cradle Products Innovations Institute's Silver Level Material Health Certificate and holds an ISEGA certificate of compliance for food contact. Munken Kraft is available with EU Ecolabel, FSC® and PEFC™ certification.



### BASIC INFORMATION

Grammages from 70 to 150 g/m<sup>2</sup>

### ENVIRONMENT / SAFETY

ISEGA certificate (food contact), FSC\_C020637, PEFC\_053399, EU Ecolabel, ISO 14001, EMAS, Paper Profile, Cradle to Cradle Certified®

### PRINTING TECHNIQUES

Flexo, Offset

### SHADE

Natural White

### SURFACE

Machine Finished

## MUNKEN KRAFT

Grammage (g/m <sup>2</sup> )	70	80	90	100	110	120	130	140	150
Thickness (µm)	98	112	126	140	154	168	182	196	210
Bulk (cm <sup>3</sup> /g)	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Roughness (Bendtsen, ml/min)	350	350	350	350	350	400	450	450	450
Opacity (%)	79	83	86	88	90	91	92	93	95
Brightness (ISO 2470/D65, %)	95	95	95	95	95	95	95	95	95
Whiteness (CIE)	115	115	115	115	115	115	115	115	115
Cobb <sub>60</sub> (g/m <sup>2</sup> )	25	25	25	25	25	25	25	25	25
Moisture (%)	6	6	6	6	6	6	6	6	6
Tensile Strength MD (ISO 1924-2, kN/m)	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)	3.2	3.5	3.9	4.0	4.1	4.2	4.3	4.5	4.6
Tensile Index MD (Nm/g)	95	93	93	90	86	85	80	75	71
Tensile Index CD (Nm/g)	45	43	43	40	37	35	33	32	31
Tear Strength MD (ISO 1974, mN)	525	615	720	850	970	1100	1220	1330	1500
Tear Strength CD (ISO 1974, mN)	665	775	900	1000	1200	1380	1530	1680	1870
Tear Index MD (Nm <sup>2</sup> /kg)	7.5	7.7	8	8.5	8.8	9.2	9.4	9.5	10
Tear Index CD (Nm <sup>2</sup> /kg)	9.5	9.7	10	10	10.9	11.5	11.8	12	12.5
Burst Strength (ISO 2758, kPa)	275	305	330	370	385	395	415	430	445
Burst Index (kPam <sup>2</sup> /g)	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.