

## TECHNICAL DATA SHEET

### Lakepaper

#### EXTRA white pure | 90 g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	84 - 96
Caliper	ISO 534, μm:	100 ± 10
Bulk	ISO 534, cm <sup>3</sup> /g:	1.1 ± 0.1
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 5000
	length, m:	≥ 6000
	cross, m:	≥ 4000
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 600
Dennison-Waxtest	US D2482-66T:	≥ 16
Water Absorption	ISO 535:	
	Cobb 60, g/m <sup>2</sup> :	35 ± 10
pH-Value	DIN 53124:	≥ 7.5
Writing with ink	DIN 53 126:	o. k.
Roughness Bendtsen methode	DIN 53108, ml/min:	20 - 100
Brightness	CIE-value:	≥ 139
Opacity	TAPPI 425, %:	≥ 84

All data refer to our own, in-house conducted measurement results and practical experiences. According to CEPAC, all tolerances specified in the general conditions of sale are to be regarded as fulfilled if 95% of the measured values lie within the prescribed tolerances. Binding for the delivery of our products are the General Conditions of Sale of Paper and Board Manufacturers in EC (CEPAC guideline). We reserve the right for changes to this material due to technical advancement. The use of different measurement devices may lead to deviant measurement results.

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#### EXTRA white pure | 100 g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	93 - 107
Caliper	ISO 534, μm:	110 ± 10
Bulk	ISO 534, cm <sup>3</sup> /g:	1.1 ± 0.1
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 5000
	length, m:	≥ 6000
	cross, m:	≥ 4000
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 700
Dennison-Waxtest	US D2482-66T:	≥ 16
Water Absorption	ISO 535:	
	Cobb 60, g/m <sup>2</sup> :	35 ± 10
pH-Value	DIN 53124:	≥ 7.5
Writing with ink	DIN 53 126:	o. k.
Roughness Bendtsen methode	DIN 53108, ml/min:	20 - 100
Brightness	CIE-value:	≥ 138
Opacity	TAPPI 425, %:	≥ 86

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#### EXTRA white pure | 115 g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	107 - 123
Caliper	ISO 534, μm:	120 ± 15
Bulk	ISO 534, cm <sup>3</sup> /g:	1.1 ± 0.1
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 5000
	length, m:	≥ 6000
	cross, m:	≥ 4000
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 700
Dennison-Waxtest	US D2482-66T:	≥ 16
Water Absorption	ISO 535:	
	Cobb 60, g/m <sup>2</sup> :	35 ± 10
pH-Value	DIN 53124:	≥ 7.5
Writing with ink	DIN 53 126:	o. k.
Roughness Bendtsen methode	DIN 53108, ml/min:	20 - 100
Brightness	CIE-value:	≥ 129
Opacity	TAPPI 425, %:	≥ 90

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#### EXTRA white pure | 135 g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	126 - 144
Caliper	ISO 534, μm:	140 ± 20
Bulk	ISO 534, cm <sup>3</sup> /g:	1.0 ± 0.1
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 5000
	length, m:	≥ 6000
	cross, m:	≥ 4000
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 800
Dennison-Waxtest	US D2482-66T:	≥ 16
Water Absorption	ISO 535:	
	Cobb 60, g/m <sup>2</sup> :	35 ± 10
pH-Value	DIN 53124:	≥ 7.5
Writing with ink	DIN 53 126:	o. k.
Roughness Bendtsen methode	DIN 53108, ml/min:	20 - 100
Brightness	CIE-value:	≥ 140
Opacity	TAPPI 425, %:	≥ 91

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## TECHNICAL DATA SHEET

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#### EXTRA white pure | 160 g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	149 - 171
Caliper	ISO 534, μm:	160 ± 20
Bulk	ISO 534, cm <sup>3</sup> /g:	1.0 ± 0.1
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 4750
	length, m:	≥ 6000
	cross, m:	≥ 3500
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 900
Dennison-Waxtest	US D2482-66T:	≥ 16
Water Absorption	ISO 535:	
	Cobb 60, g/m <sup>2</sup> :	35 ± 10
pH-Value	DIN 53124:	≥ 7.5
Writing with ink	DIN 53 126:	o. k.
Roughness Bendtsen methode	DIN 53108, ml/min:	20 - 100
Brightness	CIE-value:	≥ 140
Opacity	TAPPI 425, %:	≥ 94

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## TECHNICAL DATA SHEET

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#### EXTRA white pure | 200 g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	186 - 214
Caliper	ISO 534, μm:	210 ± 20
Bulk	ISO 534, cm <sup>3</sup> /g:	1.0 ± 0.1
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 4500
	length, m:	≥ 5500
	cross, m:	≥ 3500
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 1200
Dennison-Waxtest	US D2482-66T:	≥ 16
Water Absorption	ISO 535:	
	Cobb 60, g/m <sup>2</sup> :	35 ± 10
pH-Value	DIN 53124:	≥ 7.5
Writing with ink	DIN 53 126:	o. k.
Roughness Bendtsen methode	DIN 53108, ml/min:	20 - 100
Brightness	CIE-value:	≥ 143
Opacity	TAPPI 425, %:	≥ 96

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#### EXTRA white pure | 250 g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	233 - 268
Caliper	ISO 534, μm:	255 ± 20
Bulk	ISO 534, cm <sup>3</sup> /g:	1.0 ± 0.1
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 4000
	length, m:	≥ 5000
	cross, m:	≥ 3000
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 1200
Dennison-Waxtest	US D2482-66T:	≥ 16
Water Absorption	ISO 535:	
	Cobb 60, g/m <sup>2</sup> :	35 ± 10
pH-Value	DIN 53124:	≥ 7.5
Writing with ink	DIN 53 126:	o. k.
Roughness Bendtsen methode	DIN 53108, ml/min:	20 - 100
Brightness	CIE-value:	≥ 140
Opacity	TAPPI 425, %:	≥ 97

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#### EXTRA white pure | 300 g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	279 - 321
Caliper	ISO 534, μm:	315 ± 25
Bulk	ISO 534, cm <sup>3</sup> /g:	1.0 ± 0.1
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 5500
	length, m:	≥ 6500
	cross, m:	≥ 4500
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 2000
Dennison-Waxtest	US D2482-66T:	≥ 16
Water Absorption	ISO 535:	
	Cobb 60, g/m <sup>2</sup> :	35 ± 10
pH-Value	DIN 53124:	≥ 7.5
Writing with ink	DIN 53 126:	o. k.
Roughness Bendtsen methode	DIN 53108, ml/min:	20 - 100
Brightness	CIE-value:	≥ 140
Opacity	TAPPI 425, %:	≥ 98

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#### EXTRA white pure | 350 g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	325 - 375
Caliper	ISO 534, μm:	350 ± 30
Bulk	ISO 534, cm <sup>3</sup> /g:	1.0 ± 0.1
Ash	DIN 54370, %:	> 3
Tensil Index	ISO 1924-2:	
	mean value, length and cross, m:	≥ 5250
	length, m:	≥ 6500
	cross, m:	≥ 4000
Tear Index, Elmendorf method	ISO 1974:	
	mean value, length and cross, mN:	≥ 1800
Dennison-Waxtest	US D2482-66T:	≥ 16
Water Absorption	ISO 535:	
	Cobb 60, g/m <sup>2</sup> :	45 ± 15
pH-Value	DIN 53124:	≥ 7.5
Writing with ink	DIN 53 126:	o. k.
Roughness Bendtsen methode	DIN 53108, ml/min:	20 - 100
Brightness	CIE-value:	≥ 138
Opacity	TAPPI 425, %:	≥ 98

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Test of the light-fastness of the color under a xenon arc lamp

Heraeus, Suntest CPS

Evaluation according to the blue scale (wool scale) | DIN EN ISO 105-B02

EXTRA white pure

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