

# PHYSICAL PROPERTIES

## NATURALS Baumwolle / 110g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	106 – 114
Caliper	ISO 534, µm :	145 – 185
Bulk	ISO 534, cm <sup>3</sup> /g :	1,45 – 1,7
Ash	DIN 54370, % :	> 3
Tensil Index	ISO 1924-2 :	
	mean value, length and cross, m :	> 3500
	length, m :	> 5000
	cross, m :	> 2000
Tear Index, Elmendorf method	ISO 1974 :	
	mean value, length and cross, mN :	> 600
Dennison-Waxtest	US D2482-66T :	> 14
Water Absorption	ISO 535 :	
	Cobb 60, g/m <sup>2</sup> :	25 – 40
pH- Value	DIN 53124 :	7,5 – 10
Writing with ink	DIN 53126 :	o. k.
Air leak, Bendtsen method	DIN 53120, ml/min:	< 2000



**GMUND**

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# PHYSICAL PROPERTIES

## NATURALS Baumwolle / 270g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	259 – 281
Caliper	ISO 534, µm :	400 – 460
Bulk	ISO 534, cm <sup>3</sup> /g :	1,45 – 1,7
Ash	DIN 54370, % :	> 3
Tensil Index	ISO 1924-2 :	
	mean value, length and cross, m :	> 2600
	length, m :	> 3300
	cross, m :	> 1900
Tear Index, Elmendorf method	ISO 1974 :	
	mean value, length and cross, mN :	> 2000
Dennison-Waxtest	US D2482-66T :	> 12
Water Absorption	ISO 535 :	
	Cobb 60, g/m <sup>2</sup> :	30 – 45
pH- Value	DIN 53124 :	7,5 – 10
Writing with ink	DIN 53126 :	o. k.
Air leak, Bendtsen method	DIN 53120, ml/min:	< 2000



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# PHYSICAL PROPERTIES

## NATURALS Stroh / Rinde / Hadern / Federn / Torf / 110g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	106 – 114
Caliper	ISO 534, µm :	130 – 180
Bulk	ISO 534, cm <sup>3</sup> /g :	1,3 – 1,65
Ash	DIN 54370, % :	> 3
Tensil Index	ISO 1924-2 :	
	mean value, length and cross, m :	> 3500
	length, m :	> 5000
	cross, m :	> 2000
Tear Index, Elmendorf method	ISO 1974 :	
	mean value, length and cross, mN :	> 600
Dennison-Waxtest	US D2482-66T :	> 14
Water Absorption	ISO 535 :	
	Cobb 60, g/m <sup>2</sup> :	25 – 40
pH- Value	DIN 53124 :	7,5 – 10
Writing with ink	DIN 53126 :	o. k.



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# PHYSICAL PROPERTIES

## NATURALS Stroh / Rinde / Hadern / Federn / Torf / 270g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	259 – 281
Caliper	ISO 534, µm :	360 – 420
Bulk	ISO 534, cm <sup>3</sup> /g :	1,4 – 1,6
Ash	DIN 54370, % :	> 3
Tensil Index	ISO 1924-2 :	
	mean value, length and cross, m :	> 2700
	length, m :	> 3400
	cross, m :	> 2000
Tear Index, Elmendorf method	ISO 1974 :	
	mean value, length and cross, mN :	> 2000
Dennison-Waxtest	US D2482-66T :	> 12
Water Absorption	ISO 535 :	
	Cobb 60, g/m <sup>2</sup> :	30 – 45
pH- Value	DIN 53124 :	7,5 – 10
Writing with ink	DIN 53126 :	o. k.



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# PHYSICAL PROPERTIES

## NATURALS S-Text / B-Text / 100g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	95 – 103
Caliper	ISO 534, µm :	110 – 140
Bulk	ISO 534, cm <sup>3</sup> /g :	1,2 – 1,4
Ash	DIN 54370, % :	> 5
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 :	> 500
Dennison-Waxtest	US D2482-66T :	> 14
Water Absorption	ISO 535 :	
	Cobb 60, g/m <sup>2</sup> :	25 – 40
pH- Value	DIN 53124 :	7,5 – 10
Writing with ink	DIN 53126 :	o. k.



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# PHYSICAL PROPERTIES

## NATURALS S-Text / B-Text / 135g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	130 – 140
Caliper	ISO 534, µm :	150 – 190
Bulk	ISO 534, cm <sup>3</sup> /g :	1,2 – 1,4
Ash	DIN 54370, % :	> 5
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 :	> 700
Dennison-Waxtest	US D2482-66T :	> 14
Water Absorption	ISO 535 :	
	Cobb 60, g/m <sup>2</sup> :	25 – 40
pH- Value	DIN 53124 :	7,5 – 10
Writing with ink	DIN 53126 :	o. k.



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# PHYSICAL PROPERTIES

## NATURALS Rinde / S-Text    Torf / B-Text / 270g/m<sup>2</sup>

Grammage	ISO 536, g/m <sup>2</sup> :	259 – 281
Caliper	ISO 534, µm :	295 – 355
Bulk	ISO 534, cm <sup>3</sup> /g :	1,1 – 1,4
Ash	DIN 54370, % :	> 3
Tensil Index	ISO 1924-2 :	
	mean value, length and cross, m :	> 3500
	length, m :	> 4500
	cross, m :	> 2500
Tear Index, Elmendorf method	ISO 1974 :	
	mean value, length and cross, mN :	> 1500
Dennison-Waxtest	US D2482-66T :	> 12
Water Absorption	ISO 535 :	
	Cobb 60, g/m <sup>2</sup> :	30 – 45
pH- Value	DIN 53124 :	7,5 – 10
Writing with ink	DIN 53126 :	o. k.



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# PHYSICAL PROPERTIES

## Lightfastness

### NATURALS

Heraeus, Suntest CPS

<b>BAUMWOLLE</b>	<b>7</b>
<b>STROH</b>	<b>7</b>
<b>RINDE</b>	<b>4 - 5</b>
<b>TORF</b>	<b>2 - 3</b>
<b>FEDERN</b>	<b>7</b>
<b>S - Text</b>	<b>7</b>
<b>B - Text</b>	<b>6 - 7</b>



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