



## PERGRAPHICA®



### Technical Data: PERGRAPHICA Classic Rough

<b>Basis weight</b>		g/m <sup>2</sup>	ISO 536	<b>90 ± 3,0</b>
<b>Caliper</b>		µm	ISO 534	<b>125 ± 3</b>
<b>Bulk (typical)</b>		cm <sup>3</sup> /g		<b>1,4</b>
<b>Stiffness 15°/10mm</b>	MD	mN	ISO 2493-1	<b>160</b>
<b>Stiffness 15°/10mm</b>	CD	mN	ISO 2493-1	<b>70</b>
<b>Roughness Bendtsen</b>		ml/min	ISO 8791-2	<b>300 ± 50</b>
<b>Opacity</b>		%	ISO 2471	<b>90,0</b>
<b>Brightness UV</b>		%	ISO 2470	<b>110,0 ± 1,5</b>
<b>CIE Whiteness</b>		%	ISO 11475	<b>148 ± 3,0</b>

Product meets EN 12281, requirements for copy paper for dry toner imaging processes and ISO 9706, requirements for permanence for paper. Production processes certified according to ISO 9001, ISO 14001 and OHSAS 18001. Standard measurement uncertainty between laboratories is not incorporated.

SIGNIFICANCE OF VALUES: 2 SIGMA

typical shade values D65/10°: L\*: 96.5 a\*: 3.7 b\*: -12.7 typical bulk: 1.40



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<b>Basis weight</b>		g/m <sup>2</sup>	ISO 536	<b>100 ± 4,0</b>
<b>Caliper</b>		µm	ISO 534	<b>138 ± 4</b>
<b>Bulk (typical)</b>		cm <sup>3</sup> /g		<b>1,4</b>
<b>Stiffness 15°/10mm</b>	MD	mN	ISO 2493-1	<b>190</b>
<b>Stiffness 15°/10mm</b>	CD	mN	ISO 2493-1	<b>100</b>
<b>Roughness Bendtsen</b>		ml/min	ISO 8791-2	<b>300 ± 50</b>
<b>Opacity</b>		%	ISO 2471	<b>91,5</b>
<b>Brightness UV</b>		%	ISO 2470	<b>110,0 ± 1,5</b>
<b>CIE Whiteness</b>		%	ISO 11475	<b>148 ± 3,0</b>

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<b>Basis weight</b>		g/m <sup>2</sup>	ISO 536	<b>120 ± 4,0</b>
<b>Caliper</b>		µm	ISO 534	<b>168 ± 4</b>
<b>Bulk (typical)</b>		cm <sup>3</sup> /g		<b>1,4</b>
<b>Stiffness 15°/10mm</b>	MD	mN	ISO 2493-1	<b>280</b>
<b>Stiffness 15°/10mm</b>	CD	mN	ISO 2493-1	<b>160</b>
<b>Roughness Bendtsen</b>		ml/min	ISO 8791-2	<b>300 ± 50</b>
<b>Opacity</b>		%	ISO 2471	<b>94,5</b>
<b>Brightness UV</b>		%	ISO 2470	<b>110,0 ± 1,5</b>
<b>CIE Whiteness</b>		%	ISO 11475	<b>148 ± 3,0</b>

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<b>Basis weight</b>		g/m <sup>2</sup>	ISO 536	<b>300 ± 8,0</b>
<b>Caliper</b>		µm	ISO 534	<b>423 ± 8</b>
<b>Bulk (typical)</b>		cm <sup>3</sup> /g		<b>1,4</b>
<b>Stiffness 15°/10mm</b>	MD	mN	ISO 2493-1	<b>2600</b>
<b>Stiffness 15°/10mm</b>	CD	mN	ISO 2493-1	<b>1500</b>
<b>Roughness Bendtsen</b>		ml/min	ISO 8791-2	<b>300 ± 50</b>
<b>Opacity</b>		%	ISO 2471	<b>99,5</b>
<b>Brightness UV</b>		%	ISO 2470	<b>110,0 ± 1,5</b>
<b>CIE Whiteness</b>		%	ISO 11475	<b>148 ± 3,0</b>

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<b>Basis weight</b>		g/m <sup>2</sup>	ISO 536	<b>150 ± 4,0</b>
<b>Caliper</b>		µm	ISO 534	<b>209 ± 4</b>
<b>Bulk (typical)</b>		cm <sup>3</sup> /g		<b>1,4</b>
<b>Stiffness 15°/10mm</b>	MD	mN	ISO 2493-1	<b>600</b>
<b>Stiffness 15°/10mm</b>	CD	mN	ISO 2493-1	<b>350</b>
<b>Roughness Bendtsen</b>		ml/min	ISO 8791-2	<b>300 ± 50</b>
<b>Opacity</b>		%	ISO 2471	<b>96,5</b>
<b>Brightness UV</b>		%	ISO 2470	<b>110,0 ± 1,5</b>
<b>CIE Whiteness</b>		%	ISO 11475	<b>148 ± 3,0</b>

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<b>Basis weight</b>		g/m <sup>2</sup>	ISO 536	<b>240 ± 5,0</b>
<b>Caliper</b>		µm	ISO 534	<b>328</b>
<b>Bulk (typical)</b>		cm <sup>3</sup> /g		<b>1,4</b>
<b>Stiffness 15°/10mm</b>	MD	mN	ISO 2493-1	<b>1900</b>
<b>Stiffness 15°/10mm</b>	CD	mN	ISO 2493-1	<b>1000</b>
<b>Roughness Bendtsen</b>		ml/min	ISO 8791-2	<b>300 ± 50</b>
<b>Opacity</b>		%	ISO 2471	<b>99,0</b>
<b>Brightness UV</b>		%	ISO 2470	<b>110,0 ± 1,5</b>
<b>CIE Whiteness</b>		%	ISO 11475	<b>148 ± 3,0</b>

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