



DNS® premium is the premium digital printing paper which offers professional printers a single solution for any application on digital and offset printing presses. DNS® premium is available from 60-300 gsm.



**Technical Data:** DNS® premium

			60	70	80	90	100	120
<b>Grammage</b>	g/m <sup>2</sup>	ISO 536	60 ± 2.5	70 ± 2.5	80 ± 3.0	90 ± 3.5	100 ± 4.0	120 ± 4.0
<b>Caliper</b>	mm/1000	ISO 534	85 ± 4	96 ± 3	107 ± 3	119 ± 3	131 ± 4	153 ± 4
<b>Bulk</b>	cm <sup>3</sup> /g		1.4	1.4	1.3	1.3	1.3	1.3
<b>Stiffness L&amp;W</b>	MD mN	ISO 2493	min 55	min 80	min 125	min 160	min 190	min 280
<b>Stiffness L&amp;W</b>	CD mN	ISO 2493	min 28	min 35	min 58	min 70	min 100	min 160
<b>Roughness Bendtsen</b>	ml/min	ISO 8791-	200 ± 50	140 ± 50	140 ± 50	140 ± 50	140 ± 50	140 ± 50
<b>Opacity</b>	%	ISO 2471	min 87.0	min 90.5	min 92.5	min 93.5	min 95.0	min 96.0
<b>Cobb 60</b>	g/m <sup>2</sup>	ISO 535	25 ± 5.0	25 ± 5.0	25 ± 5.0	25 ± 5.0	25 ± 5.0	25 ± 5.0
<b>Moisture</b>	%	ISO 287	4.6 ± 0.6	4.6 ± 0.6	4.6 ± 0.6	4.6 ± 0.6	4.6 ± 0.6	4.6 ± 0.6
<b>Brightness with UV</b>	D65 %	ISO 2470	113.5 ± 1.5	113.5 ± 1.5	113.5 ± 1.5	113.5 ± 1.5	113.5 ± 1.5	113.5 ± 1.5
<b>CIE Whiteness</b>		ISO 11475	169 ± 3.0	169 ± 3.0	169 ± 3.0	169 ± 3.0	169 ± 3.0	169 ± 3.0

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.

SIGNIFICANCE OF VALUES: 2 SIGMA

<b>135</b>	<b>160</b>	<b>200</b>	<b>250</b>	<b>300</b>
<b>135</b> ± 4.0	<b>160</b> ± 6.0	<b>200</b> ± 6.0	<b>250</b> ± 6.0	<b>300</b> ± 8.0
<b>173</b> ± 4	<b>202</b> ± 5	<b>271</b> ± 6	<b>333</b> ± 6	<b>400</b> ± 8
<b>1.3</b>	<b>1.3</b>	<b>1.4</b>	<b>1.3</b>	<b>1.3</b>
<b>min 400</b>	<b>min 600</b>	<b>min 1100</b>	<b>min 1900</b>	<b>min 2600</b>
<b>min 240</b>	<b>min 350</b>	<b>min 600</b>	<b>min 1000</b>	<b>min 1500</b>
<b>140</b> ± 50	<b>140</b> ± 50	<b>140</b> ± 50	<b>140</b> ± 50	<b>140</b> ± 50
<b>min 97.0</b>	<b>min 97.5</b>	<b>min 99.0</b>	<b>min 99.0</b>	<b>min 99.0</b>
<b>25</b> ± 5.0	<b>25</b> ± 5.0	<b>25</b> ± 5.0	<b>25</b> ± 5.0	<b>25</b> ± 5.0
<b>4.6</b> ± 0.6	<b>4.6</b> ± 0.6	<b>5.0</b> ± 0.5	<b>5.0</b> ± 0.6	<b>5.0</b> ± 0.6
<b>113.5</b> ± 1.5	<b>113.5</b> ± 1.5	<b>113.5</b> ± 1.5	<b>113.5</b> ± 1.5	<b>113.5</b> ± 1.5
<b>169</b> ± 3.0	<b>169</b> ± 3.0	<b>169</b> ± 3.0	<b>169</b> ± 3.0	<b>169</b> ± 3.0