

**Product:** HannoArt Plus Digital Gloss and Silk

**Category:** Small Format Digital - Coated

**Mill:** Sappi Mills - Gratkorn Mill, Austria; Stockstadt Mill, Germany; Maastricht Mill, Netherlands

**Website:** www.sappi.com

**Country of Origin:** Austria / Germany / Netherlands

### Technical specifications:

Gloss											
Basis Weight	ISO 536 g/m <sup>2</sup>	90	100	115	130	150	170	200	250	300	350
Thickness	ISO 534 µm	70	78	91	104	121	139	166	225	282	343
Bulk	ISO534 cm <sup>3</sup> /g	0.78	0.78	0.79	0.80	0.81	0.82	0.83	0.90	0.94	0.98
Roughness PPS	ISO 8791-4 µm	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Opacity	ISO 2471 %	92	93	95	96	97.5	98	99	99.5	100	100
Brightness	ISO 2470-2 %	96	97	98	98	98	98	98	98	98	98
CIE Whiteness D65/10	ISO 11475 %	124	125	126	126	126	126	126	126	126	126
Gloss TAPPI 75°	ISO 8254-1 %	65	65	65	65	65	65	65	65	65	65
pH Value	ISO 6588	>7	>7	>7	>7	>7	>7	>7	>7	>7	>7
Relative Humidity 23°C	TAPPI 502 %	50	50	50	50	50	50	50	50	50	50

These characteristics are average values supplied for guidance purposes

Silk											
Basis Weight	g/m <sup>2</sup> ISO 536	90	100	115	130	150	170	200	250	300	350
Thickness	µm ISO 534	86	95	109	124	143	162	190	238	300	368
Roughness	µm ISO 8791-4	2.5	2.5	2.2	2.2	2.0	2.0	2.0	1.5	1.7	1.9
Opacity	% ISO 2471	92.5	94	95.5	96.5	98	98.5	99	99.5	100	100
Brightness	% ISO 2470-2	100	100	100	100	100	100	100	100	100	100
CIE Whiteness D65/10	ISO 11475 %	127	127	127	127	127	127	127	127	127	127
Gloss Tappi 75°	% ISO 8254-1	35	35	35	35	35	35	35	35	35	35
Relative Humidity 23°C	TAPPI 502 %	50	50	50	50	50	50	50	50	50	50
pH Value/Archival	ISO 6588	>7	>7	>7	>7	>7	>7	>7	>7	>7	>7

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## Certificates

- FSC Certified: Mix, ISO 14001 Environmental Management System, ISO 9001 Quality Management system.
- Carbon Neutral optional, EMAS certified and OHAS 18001 accredited, Food Contact approved.

## Recommended Printing Tips

Under Colour Removal (UCR) is recommended for dot areas over 320%. Ideal press room conditions should be 50% ±5% relative humidity at 20°C. Stack temperature should not exceed 37°C when infra red drying methods are used. Suitable for UV cure inks. 170gsm up should be scored before folding.

### Print & Finish Suitability

<input checked="" type="radio"/> Creasing	<input checked="" type="radio"/> Foiling	<input type="radio"/> Laser
<input checked="" type="radio"/> Die-Cutting	<input checked="" type="radio"/> Folding	<input checked="" type="radio"/> Scoring
<input type="radio"/> Digital	<input type="radio"/> Inkjet	<input checked="" type="radio"/> Varnishing
<input checked="" type="radio"/> Embossing	<input checked="" type="radio"/> Film Laminating	<input checked="" type="radio"/> Screen Ruling: All existing half tone technologies
<input type="radio"/> Other:		

### Applications

<input checked="" type="radio"/> Annual Reports	<input checked="" type="radio"/> Direct Mail	<input type="radio"/> Outdoor Use
<input checked="" type="radio"/> Brochures	<input checked="" type="radio"/> Folders	<input type="radio"/> Packaging
<input checked="" type="radio"/> Corporate Identity	<input type="radio"/> Invitations	<input checked="" type="radio"/> Presentation Material
<input checked="" type="radio"/> Other: Promotional material, prospectuses, calendars, magazines, photography books.		

## Digital Compatibility

- HP Indigo Certified
- Qualified for Dry Toner machines