OLIN Colours is a brand new range of mass-dyed papers and boards that offers the hues of Pop'set with the elegance and quality of Olin. The range is perfect to respond to all your needs, from invitations to posters through fancy mailings or packaging. It is also FSC® and ECF certified.

OLIN Colours Digital Black is certified for HP Indigo, available in two weights and ready-to-use in SRA3+ and B2+ formats.

Printing Guidelines

Olin Colours papers and boards give excellent printing and finishing results with all major processes including: offset, screen printing, embossing, punching, die-cutting and UV varnishing.

Design and pre-press
For the offset printing process, a screen value of 150-175 lpi is recommended. Finer screens up to a maximum of 200 lpi can also give very good results with careful ink density control. For heavier graphic elements and higher densities, under colour removal may be required and sufficient powder should be applied. Aim for a total ink film weight of 260%.

Printing and handling
To ensure good drying, the papers should be printed with good quality semi-fresh inks. UV inks may also be used. To help avoid marking and set-off when printing multiple colours, 35 micron anti set-off spray for boards and 20 micron for paper weights are recommended. Make small sheet pallets and allow at least 24 hours after printing and minimise stacking.

Finishing
Prescoring is recommended for board weights and when folding against the grain direction. For best results, a creasing rule and matrix system should be used. All finishes in the range can be foil stamped.

Hot-foil stamping
All finishes in the range can be foil stamped. Olin Colours Black is also completely free of carbon black, making it perfect for foil blocking.

Copy, Laser and Inkjet printing
Olin Colours, is suitable for copy, laser and inkjet printing until 170gsm and also in 240gsm (depending on machines). For higher weight the thickness and the rigidity could compromise the printing machines. We suggest to check the technical limitation with the printer. We underline that Olin Colours are not specifically produced for these kind of printing techniques, for example they have no additional treatments.

Digital technologies
Olin Colours is suitable for Dry Toner and Olin Colours Digital Black is certified for HP Indigo printing.

Due to its intense shade, applications of Olin Colours Black that could be in direct contact with water could result in colour bleeding, a protective varnish is recommended.

HP indigo suitable — ISO 14001 — ISO 9001 — ECF

pH NEUTRAL — FSC MIX Paper from responsible sources FSC® C101533

CREATIVE POWER
by antalis

Dry Toner ®

Certified for HP Indigo

Property & Unit	Standard		
GSM	ISO 536	**240**	**320**
Thickness (µm)	ISO 534	295	390
Bulk (cm3 /g)	ISO 534	1.23	1.22
Roughness felt side (ml/min)	ISO 8791-2	260 ±50	260 ±50
Roughness wire side (ml/min)	ISO 8791-2	260 ±50	260 ±50
Cobb 60 sec felt side (g/m2)	ISO 535	40	40
Cobb 60 sec wire side (g/m2)	ISO 535	40	40
Absolute Humidity (%)	ISO 287	7.0	7.0

Due to its intense shade, applications of Olin Colours Black that could be in direct contact with water could result in colour bleeding, a protective varnish is recommended.

These values are to be considered only as indications and are subject to change according to trade tolerances in the quality specification. Issue date: May 2024

ISO 14001   ISO 9001   ECF

pH NEUTRAL   FSC MIX Paper from responsible sources FSC® C101533

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HP Indigo

Supplier Contact Information

Supplier Name	Antalis
Supplier Address	8, rue de Seine 92100 Boulogne -Billancourt
Supplier Country	France
Product Name	Olin Colours Digital Black
Product Category	Paper, Uncoated, Black
Grammage (gsm)/Basis weight (#)	240gsm
Microns/Caliper	295microns
Certification Number	SG7600-24-033
Certification Center	HP Singapore
Date of Evaluation	17 April 2024
Evaluated on	HP Indigo 7600 multi-shot / white ink
Certified for	HP Indigo 12000 / 7000 / 5000 series / multi-shot / white ink
Evaluation Process	Specialty (multi-shot) with Premium White

Specialty Certificate Data sheet

Evaluation	Measure	Result	Grade (stars)	Comments
Runability			***	
Simplex	Number of Jams	0		
Duplex	Number of Jams	0		
Fixing			***	
Peeling	100% K in 4 color mode, % ink remaining	100%		After 60mins
	400% YMCK 100% each color, Visual Damage	–		
Blanket Compatibility			***	
White Ink Recommended		PASS		
Color Registration	CPR quality job	PASS		
Evaluation Result		PASS		

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POWER

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Dry Toner ®

Certified for
HP Indigo

Supplier Contact Information

Supplier Name	Antalis
Supplier Address	8, rue de Seine 92100 Boulogne -Billancourt
Supplier Country	France
Product Name	Olin Colours Digital Black
Product Category	Paper, Uncoated, Black
Grammage (gsm)/Basis weight (#)	320gsm
Microns/Caliper	390microns
Certification Number	SG7600-24-034
Certification Center	HP Singapore
Date of Evaluation	17 April 2024
Evaluated on	HP Indigo 7600 multi-shot / white ink
Certified for	HP Indigo 12000 / 7000 / 5000 series / multi-shot / white ink
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	400% YMCK 100% each color, Visual Damage	–		
Blanket Compatibility			***	
White Ink Recommended		PASS		
Color Registration	CPR quality job	PASS		
Evaluation Result		PASS		

CREATIVE
POWER

by antalis

Dry Toner ®

Certified for HP Indigo

The substrate certification procedure incorporates several processes. This checks for:

Runability:
The ability of the substrate to run smoothly through the press in various print modes.

Fixing:
Ink-substrate interaction as determined by the degree of ink adhesion to the substrate for standard and photo-related applications as measured in a tape peel test of the image.

Blanket Compatibility:
Blanket-substrate interaction as determined by:

1) Ink-transferability, which is the quality of ink transfer from the blanket to the substrate as reflected in highlight dots, thin lines, heavy images and image edge integrity;

2) Ink-transferability after a self-cleaning procedure "cleaner pages" (intended to clean the blanket's release layer and restore transfer performance) has been performed.

Approval for Photo and White Ink Applications:
Applications that use white ink and or light cyan/light magenta inks or photo related applications are strongly recommended to use robust media products due to additional ink coverage demands of these applications. This media has been tested and approved to perform well with higher levels of ink coverage, and is therefore recommended for photo-related and/or white ink type applications. However, it is strongly recommended that user acceptance ultimately be evaluated per individual application and finishing requirements, etc. The test results are provided as a guide; assess actual performance to determine suitability for individual use.

Star Rating

☆☆☆ Best performing substrate: excellent runnability / high ink adhesion / excellent blanket performance with no or very little issues, should generally work well for high coverage and photo applications.

☆☆ Recommended substrate: good runnability / good ink adhesion / print cleaners are generally required at a nominal frequency.

☆ Good substrate: acceptable runnability / acceptable ink adhesion / print cleaners are generally required more frequently.

	Measurement	☆☆☆ Best-performing substrate	☆☆ Recommended substrate	☆ Good substrate
Transport	Runnability	No jam and minor issues	1 jam or minor issues	1 jam and minor issues
	Peeling: 100% K	>90%	>80%	>80% at one hour
	Photo peeling: 290% K, 10 or 60 minutes	>80% after 10 or 60 min	N/A	N/A
Blanket Compatibility	Performance evaluated when utilizing a mature blanket Blanket performance	No transfer defects and no Picking above the limit is allowed	Cleaner pages were able to remove all Transfer defect and reduce the picking to below the limit	After cleaning small transfer defects and picking are still visible

Certification Validity
This substrate is certified for the next two years from the date of evaluation, provided there is no change to the paper properties or production processes. At the end of two years from the original evaluation date, if there have been no changes in paper properties or production processes, the certification can be extended for another two years. After four years from the original certification date, a new certification is required.

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