



Supplier Contact Information	
Supplier Name	Arctic Paper Grycksbo AB
Supplier Address	Box 1, SE-790 20 Grycksbo
Supplier Country	Sweden
Product Name	Arctic Volume Ice
Product Category	Coated matt
Grammage (gsm)/Basis weight (#)	115 gsm
Microns/Caliper	124 microns
Certification Number	SG7600-20-002
Certification Center	HP Singapore
Date of Evaluation	5 Nov 2019
Evaluated on	HP Indigo 7600 multi-shot
Certified for	HP Indigo 12000 / 10000 / 7000 series / multi-shot
Evaluation Process	Full

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%		
Photo Peeling	290% K in 4 color mode, % ink remaining	100%		
Photo Recommended		Yes		
White Ink Recommended				
Blanket Compatibility			***	
Evaluation Result		PASS		
Comment Detail:				

### 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:





Supplier Contact Information	
Supplier Name	Arctic Paper Grycksbo AB
Supplier Address	Box 1, SE-790 20 Grycksbo
Supplier Country	Sweden
Product Name	Arctic Volume Ice
Product Category	Coated matt
Grammage (gsm)/Basis weight (#)	130 gsm
Microns/Caliper	140 microns
Certification Number	SG7600-20-005
Certification Center	HP Singapore
Date of Evaluation	5 Nov 2019
Evaluated on	HP Indigo 7600 multi-shot
Certified for	HP Indigo 12000 / 10000 / 7000 series / multi-shot
Evaluation Process	Interpolation

Evaluation	Measure	Result	Grade (stars)	Comments
Runability			***	
Simplex	Number of Jams			
Duplex	Number of Jams			
Fixing			***	
Peeling	100% K in 4 color mode, % ink remaining			
Photo Peeling	290% K in 4 color mode, % ink remaining			
Photo Recommended		Yes		
White Ink Recommended				
Blanket Compatibility			***	
Evaluation Result		PASS		
Comment Detail: Above results by interpola	tion.			

### 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.

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### Approval for Photo and White Ink Applications:





Supplier Contact Information	
Supplier Name	Arctic Paper Grycksbo AB
Supplier Address	Box 1, SE-790 20 Grycksbo
Supplier Country	Sweden
Product Name	Arctic Volume Ice
Product Category	Coated matt
Grammage (gsm)/Basis weight (#)	150 gsm
Microns/Caliper	162 microns
Certification Number	SG7600-20-006
Certification Center	HP Singapore
Date of Evaluation	5 Nov 2019
Evaluated on	HP Indigo 7600 multi-shot
Certified for	HP Indigo 12000 / 10000 / 7000 series / multi-shot
Evaluation Process	Interpolation

Measure	Result	Grade (stars)	Comments
		***	
Number of Jams			
Number of Jams			
		***	
100% K in 4 color mode, % ink remaining			
290% K in 4 color mode, % ink remaining			
	Yes		
		***	
	PASS		
on.			
	Number of Jams  100% K in 4 color mode, % ink remaining  290% K in 4 color mode, % ink remaining	Number of Jams  100% K in 4 color mode, % ink remaining  290% K in 4 color mode, % ink remaining  Yes  PASS	Number of Jams  Number of Jams  ***  100% K in 4 color mode, % ink remaining  290% K in 4 color mode, % ink remaining  Yes  ***  PASS

### Runability:

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

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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.

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- 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:





Supplier Contact Information	
Supplier Name	Arctic Paper Grycksbo AB
Supplier Address	Box 1, SE-790 20 Grycksbo
Supplier Country	Sweden
Product Name	Arctic Volume Ice
Product Category	Coated matt
Grammage (gsm)/Basis weight (#)	170 gsm
Microns/Caliper	184 microns
Certification Number	SG7600-20-003
Certification Center	HP Singapore
Date of Evaluation	5 Nov 2019
Evaluated on	HP Indigo 7600 multi-shot
Certified for	HP Indigo 12000 / 10000 / 7000 series / multi-shot
Evaluation Process	Screen

Measure	Result	Grade (stars)	Comments
		***	
Number of Jams	0		
Number of Jams	0		
		***	
100% K in 4 color mode, % ink remaining	100%		
290% K in 4 color mode, % ink remaining	89.0%		
	Yes		
		***	By interpolation
	PASS		
	Number of Jams Number of Jams  100% K in 4 color mode, % ink remaining  290% K in 4 color mode, % ink remaining	Number of Jams  O  Number of Jams  O  100% K in 4 color mode, % ink remaining  290% K in 4 color mode, % ink remaining  Yes  PASS	Number of Jams  Number of Jams  O  ***  100% K in 4 color mode, % ink remaining  290% K in 4 color mode, % ink remaining  Yes  ***  PASS

### 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.

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### Approval for Photo and White Ink Applications:





Supplier Contact Information	
Supplier Name	Arctic Paper Grycksbo AB
Supplier Address	Box 1, SE-790 20 Grycksbo
Supplier Country	Sweden
Product Name	Arctic Volume Ice
Product Category	Coated matt
Grammage (gsm)/Basis weight (#)	200 gsm
Microns/Caliper	215 microns
Certification Number	SG7600-20-007
Certification Center	HP Singapore
Date of Evaluation	5 Nov 2019
Evaluated on	HP Indigo 7600 multi-shot
Certified for	HP Indigo 12000 / 10000 / 7000 series / multi-shot
Evaluation Process	Interpolation

Evaluation	Measure	Result	Grade (stars)	Comments
Runability			***	
Simplex	Number of Jams			
Duplex	Number of Jams			
Fixing			***	
Peeling	100% K in 4 color mode, % ink remaining			
Photo Peeling	290% K in 4 color mode, % ink remaining			
Photo Recommended		Yes		
White Ink Recommended				
Blanket Compatibility			***	
Evaluation Result		PASS		
Comment Detail: Above results by interpola	tion.			

### Runability:

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

#### Fixing

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### Approval for Photo and White Ink Applications:





Supplier Contact Information	
Supplier Name	Arctic Paper Grycksbo AB
Supplier Address	Box 1, SE-790 20 Grycksbo
Supplier Country	Sweden
Product Name	Arctic Volume Ice
Product Category	Coated matt
Grammage (gsm)/Basis weight (#)	250 gsm
Microns/Caliper	269 microns
Certification Number	SG7600-20-008
Certification Center	HP Singapore
Date of Evaluation	5 Nov 2019
Evaluated on	HP Indigo 7600 multi-shot
Certified for	HP Indigo 12000 / 10000 / 7000 series / multi-shot
Evaluation Process	Interpolation

Evaluation	Measure	Result	Grade (stars)	Comments
Runability			***	
Simplex	Number of Jams			
Duplex	Number of Jams			
Fixing			***	
Peeling	100% K in 4 color mode, % ink remaining			
Photo Peeling	290% K in 4 color mode, % ink remaining			
Photo Recommended		Yes		
White Ink Recommended				
Blanket Compatibility			***	
Evaluation Result		PASS		
Comment Detail: Above results by interpola	tion.			

### Runability:

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

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### Approval for Photo and White Ink Applications:





Supplier Contact Information			
Supplier Name	Arctic Paper Grycksbo AB		
Supplier Address	Box 1, SE-790 20 Grycksbo		
Supplier Country	Sweden		
Product Name	Arctic Volume Ice		
Product Category	Coated matt		
Grammage (gsm)/Basis weight (#)	300 gsm		
Microns/Caliper	324 microns		
Certification Number	SG7600-20-004		
Certification Center	HP Singapore		
Date of Evaluation	5 Nov 2019		
Evaluated on	HP Indigo 7600 multi-shot		
Certified for	HP Indigo 12000 / 10000 / 7000 series / multi-shot		
Evaluation Process	Full		

Evaluation	Measure	Result	Grade (stars)	Comments
Runability			**	
Simplex	Number of Jams	2		
Duplex	Number of Jams	0		
Fixing			***	
Peeling	100% K in 4 color mode, % ink remaining	100%		
Photo Peeling	290% K in 4 color mode, % ink remaining	93.0%		
Photo Recommended		Yes		
White Ink Recommended				
Blanket Compatibility			***	
Evaluation Result		PASS		
Comment Detail:				

## 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.

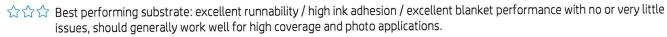
## Blanket Compatibility:

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:

### Star Rating



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.

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	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.

