



About LABEL

Combining both technical and aesthetic excellence, all LABEL papers have wet strength and anti-mold treatments and meet the most demanding requirements of this segment of the industry. These papers are also perfectly suited for specialty food and cosmetic labels.

LABEL papers are not stocked with self-adhesive.

LABEL may be used for wide range of printing processes, including:

Offset	Foil Stamping
Letterpress	Silk Screening
Digital (DIGITAL versions)	Die Cutting
Engraving	

All LABEL papers are Elemental Chlorine Free. Ego, Iceberg and SAVOY 100% Cotton are neutral pH.

LABEL rolls are wound felt side (or embossed side) out, wire side in.

Finish and Caliper

Our LABEL line consists of smooth finish, embossed, laid, genuine felt, SAVOY 100% pure cotton, and specialty paper stocks.

Caliper is a measure of thickness of a sheet of paper (1pt. = 1/1000 of an inch). Below is a list of LABEL stocks and corresponding calipers.

LABEL Weight	Finish	GSM	Target Caliper
Ego 60# Text	Smooth	90	4.3
Master White 74# Text	Wove	110	5.0
Organdie 64# Text	Felt	95	6.0
Serac 60# Text	Wove	90	4.5
Granite Neve 60# Text	Embossed	90	4.5
Symphony 60# Text	Linear Felt	90	5.0
Satin Glacier 60# Text	Smooth	90	3.8
Iceberg 60# Text	Smooth	90	4.7
Moonlight 60# Text	Laid	90	4.9
Igloo 60# Text	Felt	90	5.3
Hammered Glacier 60# Text	Embossed	90	4.4
Carat 60# Text	Embossed	90	4.9
SAVOY 100% Cotton 68# Text	Vellum	100	6.4
Caviar 57# Text	Vellum	85	4.9
Pearlized 60# Text	Pearlescent	90	4.7

Printing

LABEL products print beautifully on high-speed multicolor printing presses. Standard offset inks can be used on all LABEL products, including Pearlized.

Finishing

Varnishing & Aqueous Coating: As with all papers, varnishing or aqueous coating LABEL after printing can help to protect the printed area. Please keep in mind that any varnish or coating may diminish the shimmery effect of Pearlized.

Foil Stamping: LABEL foil stamps beautifully.

The success of foil stamping on any substrate depends on pretesting. The printer should consult a foil-stamp supplier, and pre-test on the actual stock to be used, as a wide range of variables (types of foils, finish of the paper, complexity of the design, pressure, environment, etc.) all determine the success of foil stamping on any stock.

Special Make Orders

All LABEL papers can be made with FSC-certified pulp (except SAVOY which is made from 100% cotton) and with the Master Process™ as special manufacture orders. Master Process™ which combines moisture proof and anti-mold treatments with a coating on the back side of the label. This process allows for prolonged submersion in ice buckets which maintains color integrity, opacity, and guarantees perfect hold of the label without the addition of a protective film enhancing the appearance of the printing.

We have endeavored to address most aspects of printing and use here; however, we do not accept liability for any errors or omissions. Should you have any questions, or need additional information, please contact us at 718.748.6000.

For more detailed technical specifications
visit reichpaper.com

Please contact us if you have any questions about the Technical Printing & Use information included here or if you need information about any other topics. We have endeavored to address most aspects of printing and use here; however we do not accept liability for any errors or omissions. Should you have any questions, or need additional information please contact us at 718.748.6000.

ReichPaper



LABEL

Label
Papers

Technical Specifications

PEARLIZED 60# Text				
90 gsm				
Characteristics	Standards	Values	Units	Tolerances
Grammage	ISO 536	90.0	g/m ²	± 4
Thickness	ISO 534	125	microns	± 9
Bulk	ISO 534	1.39		
Stiffness Lorentzen	ISO 2493	(angle de 15°)		
Grain Direction		1.60	mNm	*
Cross Grain		0.90	mNm	*
Smoothness Bendtsen	ISO 8791-2			
Felt Side		300	mL/min	± 150
Moisture	ISO 287	6.5	%	± 0.5
Opacity	ISO 2471			
Dry		93.5	%	Min 88
Tensile Strength	ISO 1924-2			
Seconds Grain Direction		75.0	N/15mm	*
% Wet Strength Treatment	ISO3781	11.0	%	*
Cobb (60 sec.)	ISO 535	25.0	g/m ²	*
Color	CIELAB 76	Delta E		< 1.2



Technical Specifications

EGO 60# Text				
Neutral pH, 90 gsm				
Characteristics	Standards	Values	Units	Tolerances
Grammage	ISO 536	90.0	g/m ²	± 4
Thickness	ISO 534	122	microns	± 9
Bulk	ISO 534	1.36		
Stiffness Lorentzen	ISO 2493	(angle de 15°)		
Grain Direction		1.70	mNm	*
Cross Grain		1.00	mNm	*
Roughness Bendtsen	ISO 8791-2			
Felt Side		600	mL/min	min 500
Moisture	ISO 287	7.0	%	± 0.5
Opacity	ISO 2471			
Dry		91.5	%	Min 89.5
Tensile Strength	ISO 1924-2			
Seconds Grain Direction		70.0	N/15mm	min 60
% Wet Strength Treatment	ISO3781	11.0	%	*
Cobb (60 sec.)	ISO 535	25.0	g/m ²	*
Whiteness	ISO 11476	107		*
Color	CIELAB 76	Delta E		< 1.2



Technical Specifications

SATIN GLACIER 60# Text				
90 gsm				
Characteristics	Standards	Values	Units	Tolerances
Grammage	ISO 536	90.0	g/m ²	± 5
Thickness	ISO 534	100	microns	± 7
Bulk	ISO 534	1.11		
Stiffness Lorentzen	ISO 2493	(angle de 15°)		
Grain Direction		0.70	mNm	*
Cross Grain		0.35	mNm	*
Smoothness Bekk	ISO 5627			
Felt Side		55	s	*
Moisture	ISO 287	6.5	%	± 0.5
Opacity	ISO 2471			
Dry		89.0	%	*
Wet		78.0	%	*
Tensile Strength	ISO 1924-2			
Seconds Grain Direction		75.0	N/15mm	*
% Wet Strength Treatment	ISO3781	11.0	%	*
Cobb (60 sec.)	ISO 535	20.0	g/m ²	*
Whiteness	ISO 11476	138		*
Color	CIELAB 76	Delta E		< 1.2



Technical Specifications

ICEBERG 60# Text				
Neutral pH, 90 gsm				
Characteristics	Standards	Values	Units	Tolerances
Grammage	ISO 536	90.0	g/m ²	± 4
Thickness	ISO 534	125	microns	± 9
Bulk	ISO 534	1.39		
Stiffness Lorentzen	ISO 2493	(angle de 15°)		
Grain Direction		1.40	mNm	*
Cross Grain		1.10	mNm	*
Roughness Bendtsen	ISO 8791-2			
Felt Side		850	mL/min	min 750
Moisture	ISO 287	6.5	%	± 0.5
Opacity	ISO 2471			
Dry		92.0	%	*
Wet		78.0	%	*
Tensile Strength	ISO 1924-2			
Seconds Grain Direction		68.0	N/15mm	*
% Wet Strength Treatment	ISO3781	11.0	%	*
Cobb (60 sec.)	ISO 535	25.0	g/m ²	*
Whiteness	ISO 11476	151		*
Color	CIELAB 76	Delta E		< 1.2



Technical Specifications

MOONLIGHT 60# Text				
90 gsm				
Characteristics	Standards	Values	Units	Tolerances
Grammage	ISO 536	90.0	g/m ²	± 5
Thickness	ISO 534	108	microns	± 8
Bulk	ISO 534	1.20		
Stiffness Lorentzen	ISO 2493	(angle de 15°)		
Grain Direction		0.80	mNm	*
Cross Grain		0.40	mNm	*
Smoothness Bekk	ISO 5627			
FT		40	s	min 35
Moisture	ISO 287	6.5	%	± 0.5
Opacity	ISO 2471			
Dry		89.0	%	*
Wet		78.0	%	*
Tensile Strength	ISO 1924-2			
Seconds Grain Direction		64.0	N/15mm	*
% Wet Strength Treatment	ISO3781	11.0	%	*
Cobb (60 sec.)	ISO 535	20.0	g/m ²	*
Whiteness	ISO 11476	138		*
Color	CIELAB 76	Delta E		< 1.2



Technical Specifications

IGLOO 60# Text				
90 gsm				
Characteristics	Standards	Values	Units	Tolerances
Grammage	ISO 536	90.0	g/m ²	± 5
Thickness	ISO 534	139	microns	± 9
Bulk	ISO 534	1.54		
Stiffness Lorentzen	ISO 2493	(angle de 15°)		
Grain Direction		1.60	mNm	*
Cross Grain		0.90	mNm	*
Roughness Bendtsen	ISO 8791-2			
Felt Side		1700	mL/min	*
Moisture	ISO 287	6.5	%	± 0.5
Opacity	ISO 2471			
Dry		90.0	%	Min 88
Tensile Strength	ISO 1924-2			
Seconds Grain Direction		64.0	N/15mm	*
% Wet Strength Treatment	ISO3781	11.0	%	*
Cobb (60 sec.)	ISO 535	25.0	g/m ²	*
Whiteness	ISO 11476	70		*
Color	CIELAB 76	Delta E		< 1.2



Technical Specifications

HAMMERED GLACIER 60# Text				
90 gsm				
Characteristics	Standards	Values	Units	Tolerances
Grammage	ISO 536	90.0	g/m ²	± 5
Thickness	ISO 534	118	microns	± 8
Bulk	ISO 534	1.31		
Stiffness Lorentzen	ISO 2493	(angle de 15°)		
Grain Direction		1.90	mNm	*
Cross Grain		1.10	mNm	*
Roughness Bendtsen	ISO 8791-2			
Felt Side		1200	mL/min	*
Moisture	ISO 287	6.5	%	± 0.5
Opacity	ISO 2471			
Dry		88.0	%	*
Wet		78.0	%	*
Tensile Strength	ISO 1924-2			
Seconds Grain Direction		83.0	N/15mm	*
% Wet Strength Treatment	ISO3781	11.0	%	*
Cobb (60 sec.)	ISO 535	20.0	g/m ²	*
Whiteness	ISO 11476	138		*
Color	CIELAB 76	Delta E		< 1.2



Technical Specifications

CARAT 60# Text				
90 gsm				
Characteristics	Standards	Values	Units	Tolerances
Grammage	ISO 536	90.0	g/m ²	± 5
Thickness	ISO 534	127	microns	± 8
Bulk	ISO 534	1.41		
Stiffness Lorentzen	ISO 2493	(angle de 15°)		
Machine Direction		1.50	mNm	*
Cross Grain		0.80	mNm	*
Roughness Bendtsen	ISO 8791-2			
Felt Side		1800	mL/min	*
Moisture	ISO 287	6.5	%	± 0.5
Opacity	ISO 2471			
Dry		90.0	%	*
Tensile Strength	ISO 1924-2			
Seconds Grain Direction		70.0	N/15mm	*
% Wet Strength Treatment	ISO3781	11.0	%	*
Cobb (60 sec.)	ISO 535	20.0	g/m ²	*
Whiteness	ISO 11476	138		*
Color	CIELAB 76	Delta E		< 1.2



Technical Specifications

SAVOY 100% COTTON 68# Text				
Neutral pH, 100 gsm				
Characteristics	Standards	Values	Units	Tolerances
Grammage	ISO 536	100.0	g/m ²	± 5
Thickness	ISO 534	165	microns	± 8
Bulk	ISO 534	1.65		
Stiffness Lorentzen	ISO 2493	(angle de 15°)		
Grain Direction		2.00	mNm	*
Roughness Bendtsen	ISO 8791-2			6.4
Felt Side		1100	mL/min	*
Moisture	ISO 287	6.0	%	± 0.5
Opacity	ISO 2471			
Dry		89.0	%	*
Tensile Strength	ISO 1924-2			
Seconds Grain Direction		50.0	N/15mm	*
% Wet Strength Treatment	ISO3781	11.0	%	*
Cobb (60 sec.)	ISO 535	28.0	g/m ²	*
Whiteness	ISO 11476	141		*
Color	CIELAB 76	Delta E		< 1.2

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Technical Specifications

CAVIAR VELLUM 57# Text				
85 gsm				
Characteristics	Standards	Values	Units	Tolerances
Grammage	ISO 536	85.0	g/m ²	± 4
Thickness	ISO 534	127	microns	± 8
Bulk	ISO 534	1.49		
Stiffness Lorentzen	ISO 2493	(angle de 15°)		
Grain Direction		.94	mNm	*
Cross Grain		.86	mNm	*
Roughness Bendtsen	ISO 8791-2			
Felt Side		1620	mL/min	*
Moisture	ISO 287	6.5	%	± 0.5
Tensile Strength	ISO 1924-2			
Seconds Grain Direction		40.0	N/15mm	*
% Wet Strength Treatment	ISO3781	11.0	%	*
Cobb (60 sec.)	ISO 535	20.0	g/m ²	*