



Leading supplier of
sustainable papers for
packaging solutions



The Power of Less®

Our forward-thinking approach to paper

As towns, cities and entire populations evolve, and digital technology continues to revolutionise the way we shop and go about our lives, our needs and expectations have changed.

We demand more from the products we buy and expect them delivered faster to our doors. All whilst reducing our impact on the environment at the same time.

There is a need for a new approach to packaging and strong leadership in our industry.



Our Purpose

Redefining Packaging for a Changing World

Papermaking isn't just something we do. It's at the heart of our entire business model and is central to delivering on our Purpose.

We believe our vision for the packaging industry can play a powerful role in meeting some of the world's complex consumer and sustainability challenges. By innovating and thinking differently we are developing the bespoke strategies and paper products our customers want and the environment needs.



Thinking differently

We take a flexible approach to our papermaking operations. While producing around five million tonnes of finished paper products every year, we are finding innovative ways to help our customers achieve more for less – sell more, reduce costs, manage risk and complexity in their supply chain.



Innovating together

Working with our customers to understand their needs, and with our suppliers to ensure we receive the highest quality of paper for recycling, we innovate to maximise the performance and strength of our packaging papers.



Putting sustainability at our heart

Whether it's ensuring that 100% of the fibre we use comes from recycled or chain of custody certified papers, reducing our carbon footprint, or mitigating our mills' water impact, sustainability is at the heart of our paper production processes.



Developing the right strategies

We focus on supplying our customers with the high-quality finished papers they need for their manufacturing processes. That's why we developed ways of working that ensure our sustainably sourced fibres become the papers needed for high-performance packaging solutions.

Your partner in containerboard and speciality papers

We are a leading manufacturer of sustainable corrugated case materials, speciality papers and high-performance papers for packaging production. All of our finished paper products are 100% recyclable and sustainably sourced.

Our products range from recycled to kraft, including brown liners, white liners, fluting, dual-use, coated grades and speciality papers.

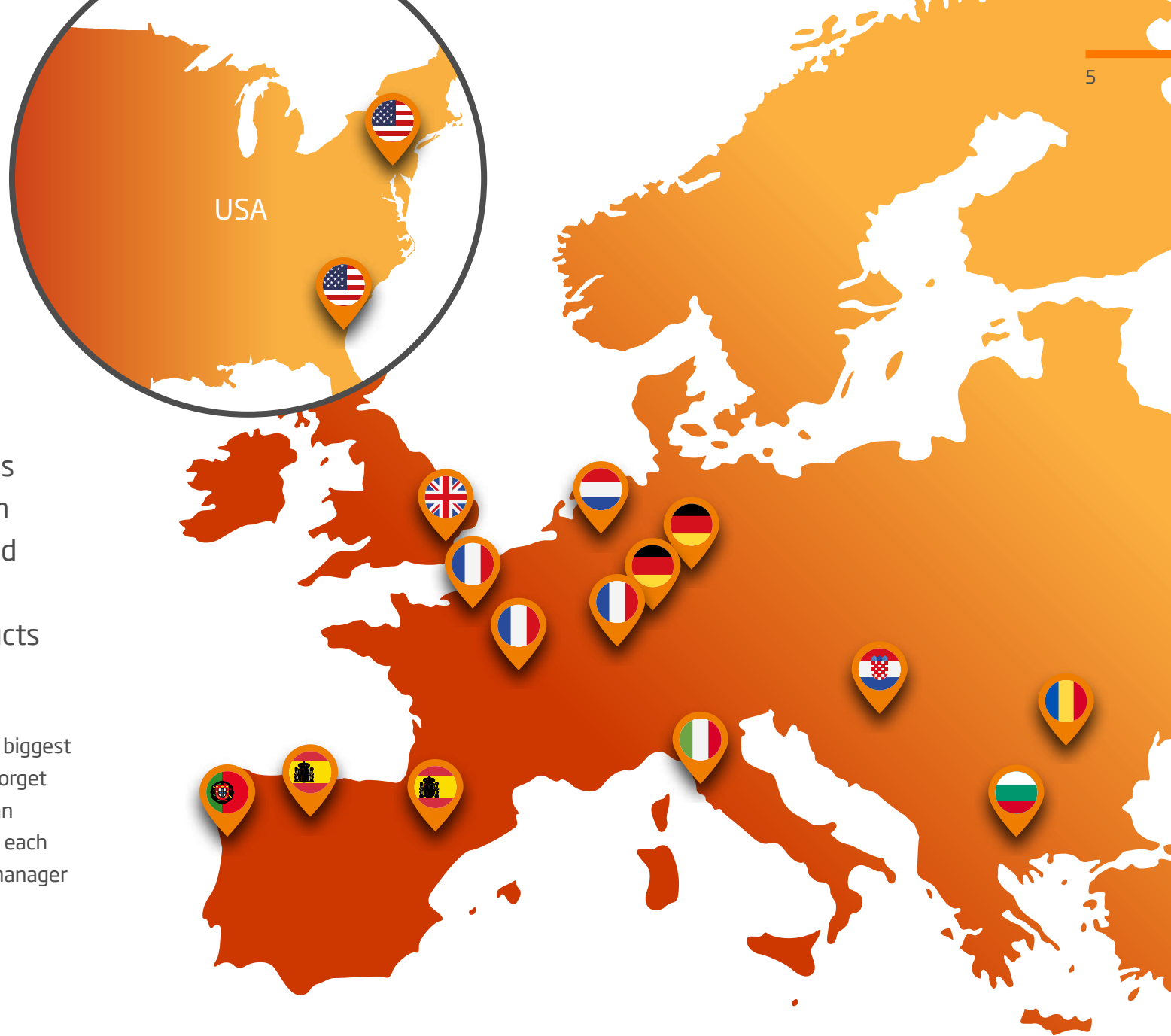
Through our products, experience and knowledge, we are committed to ensuring consistent quality and service to our customers.



The size and scale to manage all your needs

Our paper supply network stretches across 14 European mills and two in North America and produces around 5 million tonnes of containerboard and specialist finished paper products each year.

Although we're proud to have become one of the biggest papermaking operations in the world, we never forget the importance of personal service. So, we take an individual approach to account management and each of our regions employs a dedicated commercial manager who will personally deal with your enquiries.



Paper that's good for your sustainability goals

Today's customers, employees, investors and shareholders all expect you to adopt a more sustainable approach. When you purchase our products, you can be certain they come from sustainably sourced or chain of custody certified sources.

Sustainability is at the heart of our papermaking and we work in partnership with you to select the right finished papers for packaging solutions that your business demands - whilst improving your environmental credentials at the same time.

Our Now and Next Sustainability Strategy focuses on closing the loop through better design, protecting natural resources by making the most of every fibre, reducing waste and pollution through circular solutions and equipping people to lead the transition to a circular economy.



Leading the way in quality

We are proud to be recognised for the high quality of our finished product.

Our focus on quality runs throughout all the key stages of the papermaking process, from raw materials to the finished product, providing our customers with the quality assurance they need.

Although most of our mills have an automated paper testing laboratory, all our mills are required to send regular samples into an independent, certified Paper Quality Centre based in Witzenhausen, Germany.

Our paper mills get regularly audited by independent assessors, who inspect all aspects of our management systems and papermaking.



Technical Customer Services

We set the bar high in all aspects of our service.

Our Technical Customer Service team is on hand to work with you in support of your requirements. Through our support, technical know-how and deep understanding of our paper performance, we are improving productivity, reducing costs and ensuring that you meet your commercial and sustainability challenges.



Our containerboard products

We offer you one of the widest choices of containerboard products available. All designed and manufactured to meet today's sustainability challenges and provide the ideal material to satisfy your and your customers' needs.

On the following pages you will find details of our range, including grades and availability.



Product Range

Family Grade	Grade	Page
Brown Liners	Liner 1	13-14
	Liner 2	15
	Liner 3	16-19
	Liner 4	20
White Liners	White Liner A	22-23
	White Liner B	24-27
	White Liner C	28-29
Medium/Fluting Grades	Medium	31
	Medium Plus	32
	Medium HP	33-34
	Medium HP Plus	35-36
	Medium HP WS	37-38
Dual-Use Grades	Dual-Use	40-42
	Dual-Use HP Plus	43
Kraft Liners	Brown Kraft Liner	45
	Brown Kraft Top Liner	46
Coated Papers	Top Double Coated	48
	Double Coated	49
	Double Coated Economic	50
	Light Coated	51

Key to Applications



Heavy Duty Products



Food and Beverage Industry



Chilled and Frozen Goods



Printing



Hazardous Products



E-Commerce



Agricultural Industry



Long Storage



FMCG Industry



Export / Transport



Cleaning and Hygiene Industry



Versatile in Use



Brown Liners

Made from 100% recycled fibre, our brown liners have exceptional attributes such as high mechanical properties, high printability performance, good runnability on the corrugator and optimum levels of colour stability.

Grades available

- Liner 1
- Liner 2
- Liner 3
- Liner 4



Liner 1

Liner 1 is produced in Lucca, Zărnești and Alcolea mills. We can offer you two slightly different variations of Liner 1.

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- Offers a great balance between cost and strength properties
- Excellent runnability, resistance and homogenous appearance
- Designed for challenging mechanical and environmental applications

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

Liner 1 produced in Lucca and Zărnești

Typical values

Property	Unit	Method					
Grammage	g/m ²	ISO 536	120	140	145	170	200
Burst strength	kPa	ISO 2758	360	415	425	510	590
SCT CD	kN/m	ISO 9895	2.35	2.75	2.85	3.30	3.85

Guaranteed values

Property	Unit	Method					
Grammage	g/m ²	ISO 536	120	140	145	170	200
Grammage average, min/max	%	ISO 536	±3	±3	±3	±3	±3
Moisture average	%	Online	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1
Burst strength, min	kPa	ISO 2758	325	380	390	465	540
SCT CD, min	kN/m	ISO 9895	2.15	2.50	2.70	3.00	3.50
Cobb 60s, max	g/m ²	ISO 535	45	45	45	45	45
Cobb 1800s, max (if applicable)	g/m ²	ISO 535	110	110	110	110	110



Please note that availability of products and delivery options depend on your location. Please get in touch with our sales team for more information via paper@dssmith.com.

Liner 1

Liner 1 is produced in Lucca, Zărnești and Alcolea mills. We can offer you two slightly different variations of Liner 1.

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- Offers a great balance between cost and strength properties
- Excellent runnability, resistance and homogenous appearance
- Designed for challenging mechanical and environmental applications

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

Liner 1 produced in Alcolea

Typical values

Property	Unit	Method	170	180	200	220	250
Grammage	g/m ²	ISO 536	170	180	200	220	250
Burst strength	kPa	ISO 2758	510	540	600	660	750
SCT CD	kN/m	ISO 9895	3.75	3.95	4.40	4.80	5.50

Guaranteed values

Property	Unit	Method	170	180	200	220	250
Grammage	g/m ²	ISO 536	170	180	200	220	250
Grammage average, min/max	%	ISO 536	±4	±4	±4	±4	±4
Moisture average	%	Online	8.5±1.5	8.5±1.5	8.5±1.5	8.5±1.5	8.5±1.5
Burst strength, min	kPa	ISO 2758	440	470	520	570	650
SCT CD, min	kN/m	ISO 9895	3.30	3.50	3.90	4.30	4.90
Cobb 1800s, max	g/m ²	ISO 535	150	150	150	150	150
Cobb 1800s, max (if applicable)	g/m ²	ISO 535	110	110	110	110	110



Please note that availability of products and delivery options depend on your location. Please get in touch with our sales team for more information via paper@dssmith.com.

Liner 2

Liner 2 is produced in Aschaffenburg, Belišće, De Hoop, Trakia, Witzenhausen and Žarnești mills.

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- Offers a great balance between cost and strength properties
- Excellent runnability

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

Typical values

Property	Unit	Method				
Grammage	g/m ²	ISO 536	115	125	140	170
Burst strength	kPa	ISO 2758	300	335	385	445
SCT CD	kN/m	ISO 9895	2.10	2.35	2.60	3.15

Guaranteed values

Property	Unit	Method				
Grammage	g/m ²	ISO 536	115	125	140	170
Grammage average, min/max	%	ISO 536	±3	±3	±3	±3
Moisture average	%	Online	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1
Burst strength, min	kPa	ISO 2758	280	310	350	415
SCT CD, min	kN/m	ISO 9895	1.95	2.15	2.40	2.85
Cobb 60s, max	g/m ²	ISO 535	45	45	45	45
Cobb 1800s, max (if applicable)	g/m ²	ISO 535	110	110	110	110



Please note that availability of products and delivery options depend on your location. Please get in touch with our sales team for more information via paper@dssmith.com.

Liner 3

Liner 3 is produced in Aschaffenburg, Belišće, De Hoop, Kemsley, Lucca, Trakia, Witzenhausen, Zărnești, Dueñas and Rouen mills. We can offer you four slightly different variations of Liner 3.

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- A very consistent appearance and stable properties ensuring corrugated board strength
- Excellent runnability on the corrugator with high production efficiency

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

Liner 3 produced in Aschaffenburg, Belišće, De Hoop, Kemsley, Lucca, Trakia, Witzenhausen and Zărnești

Typical values

Light Liner

Property	Unit	Method	Light Liner																			
Grammage	g/m ²	ISO 536	90	95	100	110	115	120	125	130	135	140	150	160	165	170	175	185	190	200	210	215
Burst strength	kPa	ISO 2758	200	210	220	250	270	290	300	310	320	330	350	365	375	400	405	420	430	450	460	470
SCT CD	kN/m	ISO 9895	1.55	1.65	1.70	1.90	2.00	2.10	2.15	2.25	2.35	2.40	2.50	2.65	2.75	2.85	2.95	3.10	3.20	3.35	3.50	3.55

Guaranteed values

Property	Unit	Method	Light Liner																			
Grammage	g/m ²	ISO 536	90	95	100	110	115	120	125	130	135	140	150	160	165	170	175	185	190	200	210	215
Grammage average, min/max	%	ISO 536	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3
Moisture average	%	Online	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1
Burst strength, min	kPa	ISO 2758	180	190	200	220	240	260	270	280	290	300	325	340	350	370	375	390	400	420	425	435
SCT CD, min	kN/m	ISO 9895	1.40	1.50	1.55	1.70	1.75	1.85	1.90	2.00	2.05	2.15	2.30	2.45	2.55	2.60	2.70	2.85	2.95	3.10	3.25	3.30
Cobb 60s, max	g/m ²	ISO 535	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
Cobb 1800s, max (if applicable)	g/m ²	ISO 535	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110

Please note that availability of products and delivery options depend on your location. Please get in touch with our sales team for more information via paper@dssmith.com.

Liner 3

Liner 3 is produced in Aschaffenburg, Belišće, De Hoop, Kemsley, Lucca, Trakia, Witzenhausen, Zărnești, Dueñas and Rouen mills. We can offer you four slightly different variations of Liner 3.

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- A very consistent appearance and stable properties ensuring corrugated board strength
- Excellent runnability on the corrugator with high production efficiency

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

Liner 3 produced in Dueñas

Typical values

Property	Unit	Method							
Grammage	g/m²	ISO 536	110	120	130	140	150	160	170
Burst strength	kPa	ISO 2758	268	290	310	340	360	385	405
SCT CD	kN/m	ISO 9895	1.72	1.85	2.00	2.15	2.30	2.45	2.70

Guaranteed values

Property	Unit	Method							
Grammage	g/m²	ISO 536	110	120	130	140	150	160	170
Grammage average, min/max	%	ISO 536	±4	±4	±4	±4	±4	±4	±4
Moisture average	%	Online	7.5±1.5	7.5±1.5	7.5±1.5	7.5±1.5	7.5±1.5	7.5±1.5	7.5±1.5
Burst strength, min	kPa	ISO 2758	240	260	280	300	325	345	360
SCT CD, min	kN/m	ISO 9895	1.55	1.65	1.80	1.95	2.10	2.25	2.50
Wax Pick (Dennison), min	#	T-549	14	14	14	14	14	14	14
Cobb 60s, max	g/m ²	ISO 535	35	35	35	35	35	35	35



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Liner 3

Liner 3 is produced in Aschaffenburg, Belišće, De Hoop, Kemsley, Lucca, Trakia, Witzenhausen, Zărnești, Dueñas and Rouen mills. We can offer you four slightly different variations of Liner 3.

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- A very consistent appearance and stable properties ensuring corrugated board strength
- Excellent runnability on the corrugator with high production efficiency

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

Liner 3 produced in Rouen

Typical values

Property	Unit	Method				
Grammage	g/m ²	ISO 536	100	110	120	130
Burst strength	kPa	ISO 2758	220	240	270	290
SCT CD	kN/m	ISO 9895	1.70	1.85	2.05	2.20

Guaranteed values

Property	Unit	Method				
Grammage	g/m ²	ISO 536	100	110	120	130
Grammage average, min/max	%	ISO 536	±3	±3	±3	±3
Moisture average	%	Online	7.5 ±1.5	7.5 ±1.5	7.5 ±1.5	7.5 ±1.5
Burst strength, min	kPa	ISO 2758	200	220	245	265
SCT CD, min	kN/m	ISO 9895	1.55	1.70	1.85	2.00
Cobb 60s, max	g/m ²	ISO 535	35	35	35	40
Cobb 1800s, max	g/m ²	ISO 535	110	110	115	115



Please note that availability of products and delivery options depend on your location. Please get in touch with our sales team for more information via paper@dssmith.com.

Liner 3 Unsized

Liner 3 is produced in Aschaffenburg, Belišće, De Hoop, Kemsley, Lucca, Trakia, Witzenhausen, Zărnești, Dueñas and Rouen mills. We can offer you four slightly different variations of Liner 3.

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- A very consistent appearance and stable properties ensuring corrugated board strength
- Excellent runnability on the corrugator with high production efficiency

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

Liner 3 Unsized produced in Dueñas

Typical values

Property	Unit	Method				
Grammage	g/m²	ISO 536	100	110	150	160
Burst strength	kPa	ISO 2758	235	270	360	385
SCT CD	kN/m	ISO 9895	1.50	1.72	2.30	2.45
CMT 30	N	ISO 7263	160	180	235	250

Guaranteed values

Property	Unit	Method				
Grammage	g/m²	ISO 536	100	110	150	160
Grammage average, min/max	%	ISO 536	±4	±4	±4	±4
Moisture average	%	Online	7.5 ±1.5	7.5 ±1.5	7.5 ±1.5	7.5 ±1.5
Burst strength, min	kPa	ISO 2758	214	240	325	345
SCT CD, min	kN/m	ISO 9895	1.35	1.53	2.10	2.25
CMT 30, min	N	ISO 7263	140	160	210	225
Wax Pick (Dennison), min	#	T-549	14	14	14	14

Please note that availability of products and delivery options depend on your location. Please get in touch with our sales team for more information via paper@dssmith.com.



Liner 4

Liner 4 is produced in Lucca mill.

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- Good runnability
- Economical packaging solution

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

Typical values

Property	Unit	Method	105	115	130	135	150	170	185
Grammage	g/m²	ISO 536	105	115	130	135	150	170	185
Burst strength	kPa	ISO 2758	165	180	200	210	230	260	290
SCT CD	kN/m	ISO 9895	1.35	1.50	1.70	1.75	2.00	2.20	2.40

Guaranteed values

Property	Unit	Method	105	115	130	135	150	170	185
Grammage	g/m²	ISO 536	105	115	130	135	150	170	185
Grammage average, min/max	%	ISO 536	±3	±3	±3	±3	±3	±3	±3
Moisture average	%	Online	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1
Burst strength, min	kPa	ISO 2758	145	165	185	190	215	235	260
SCT CD, min	kN/m	ISO 9895	1.20	1.30	1.55	1.60	1.80	2.00	2.20
Cobb 60s, max (if applicable)	g/m ²	ISO 535	45	45	45	45	45	45	45



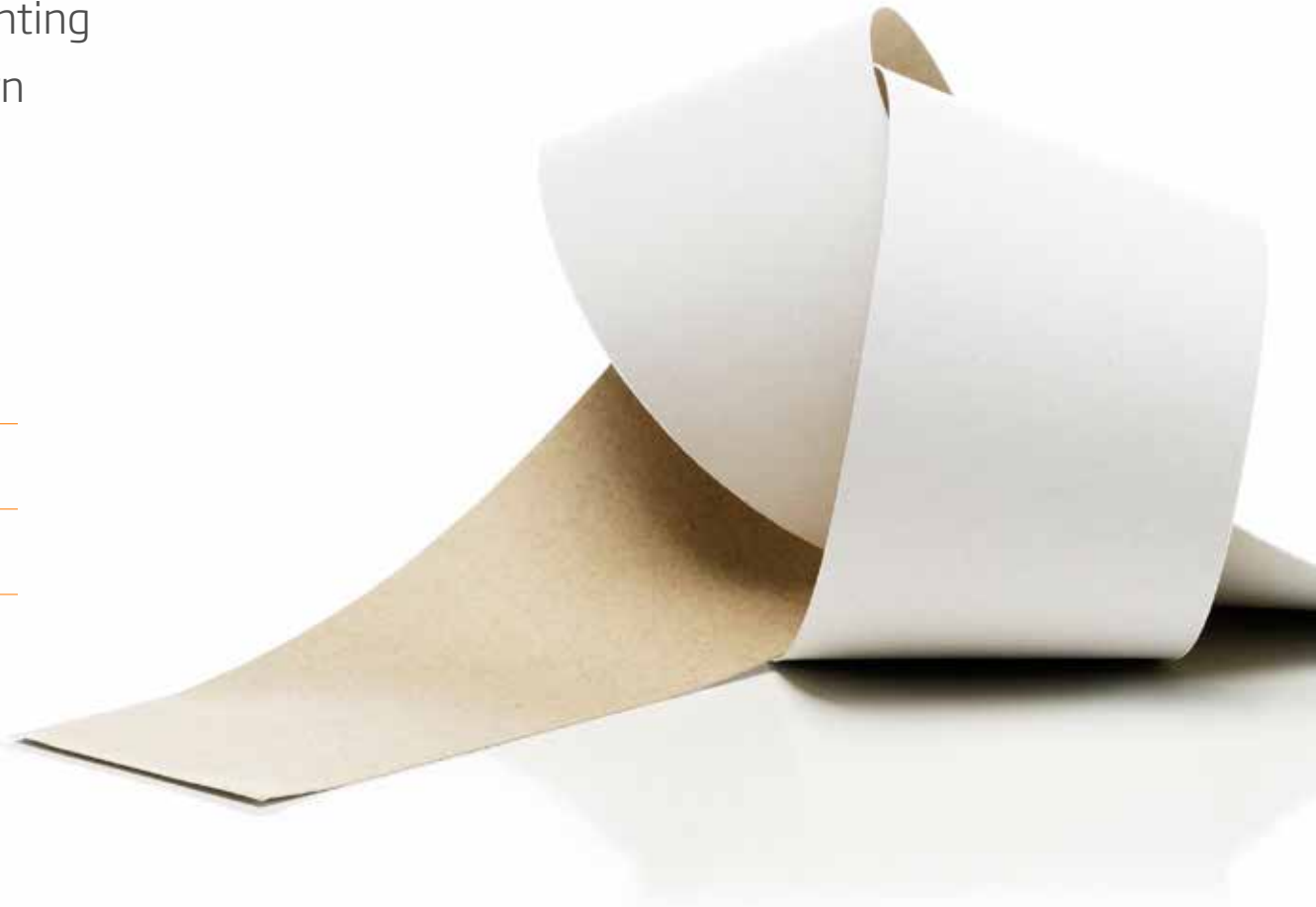
Please note that availability of products and delivery options depend on your location. Please get in touch with our sales team for more information via paper@dssmith.com.

White Liners

Made from recycled fibre, our White Liners are smooth and world-class clean. They are ideal for packaging solutions with the high printing performance requirements of any modern conversion line.

Grades available

- White Liner A
- White Liner B
- White Liner C



White Liner A

White Liner A is produced in Kemsley and Dueñas mills. We can offer you two slightly different variations of White Liner A.

White Liner A produced in Kemsley

Typical values

Property	Unit	Method		
Grammage	g/m²	ISO 536	130	160
Burst strength	kPa	ISO 2758	320	360
SCT CD	kN/m	ISO 9895	2.25	2.75

Guaranteed values

Property	Unit	Method		
Grammage	g/m²	ISO 536	130	160
Grammage average, min/max	%	ISO 536	±3	±3
Moisture average	%	Online	8.0 ±1	8.0 ±1
Burst strength, min	kPa	ISO 2758	270	340
SCT CD, min	kN/m	ISO 9895	2.10	2.55
Plybond, min	J/m ²	TAPPI T-569	200	200
Cobb 60s, max	g/m ²	ISO 535	40	40
Cobb 1800s, max (if applicable)	g/m ²	ISO 535	100	100
Brightness, min	%	ISO 2470-2	76	76
Roughness, Bendtsen, max	ml/min	ISO 8791-2	300	400

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- High brightness, great properties, and optimized smoothness
- A superior presentation liner with excellent printing quality and good strength for your boxes

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.



White Liner A HP

White Liner A is produced in Kemsley and Dueñas mills. We can offer you two slightly different variations of White Liner A.

White Liner A HP produced in Dueñas

Typical values

Property	Unit	Method				
Grammage	g/m²	ISO 536	135	140	160	180
Burst strength	kPa	ISO 2758	340	355	410	430
SCT CD	kN/m	ISO 9895	2.45	2.55	2.90	3.25
E.B.A.	ppm	T-437	50	50	50	50

Guaranteed values

Property	Unit	Method				
Grammage	g/m²	ISO 536	135	140	160	180
Grammage average, min/max	%	ISO 536	±4	±4	±4	±4
Moisture average	%	Online	7.0 +1.5/-1	7.0 +1.5/-1	7.0 +1.5/-1	7.0 +1.5/-1
Burst strength, min	kPa	ISO 2758	310	320	365	390
SCT CD, min	kN/m	ISO 9895	2.25	2.30	2.65	2.95
Wax Pick (Dennison), min	#	T-549	14	14	14	14
Cobb 60s, max	g/m ²	ISO 535	35	35	35	35
Roughness, Bendtsen, max	ml/min	ISO 8791-2	600	600	600	600
ISO Brightness - R457, min	%	ISO 2470-1	74	74	74	74
E.B.A., max	ppm	T-437	100	100	100	100

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- High brightness, great properties, and optimized smoothness
- A superior presentation liner with excellent printing quality and good strength for your boxes

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.



White Liner B

White Liner B is produced in Kemsley and Dueñas mills. We can offer you four slightly different variations of White Liner B.

White Liner B produced in Kemsley

Typical values

Property	Unit	Method		
Grammage	g/m²	ISO 536	120	135
Burst strength	kPa	ISO 2758	275	300
SCT CD	kN/m	ISO 9895	1.95	2.20

Guaranteed values

Property	Unit	Method		
Grammage	g/m²	ISO 536	120	135
Grammage average, min/max	%	ISO 536	±3	±3
Moisture average	%	Online	8.0 ±1	8.0 ±1
Burst strength, min	kPa	ISO 2758	230	260
SCT CD, min	kN/m	ISO 9895	1.70	1.95
Plybond, min	J/m ²	TAPPI T-569	200	200
Cobb 60s, max	g/m ²	ISO 535	40	40
Cobb 1800s, max (if applicable)	g/m ²	ISO 535	100	100
Brightness, min	%	ISO 2470-2	70	70
Roughness, Bendtsen, max	ml/min	ISO 8791-2	600	600

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- Presentation liner with excellent printing quality
- Optimum combination of print and strength characteristics to allow product optimisation

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.



White Liner B

White Liner B is produced in Kemsley and Dueñas mills. We can offer you four slightly different variations of White Liner B.

White Liner B produced in Dueñas

Typical values

Property	Unit	Method		
Grammage	g/m²	ISO 536	120	140
Burst strength	kPa	ISO 2758	215	250
SCT CD	kN/m	ISO 9895	1.60	1.85

Guaranteed values

Property	Unit	Method		
Grammage	g/m²	ISO 536	120	140
Grammage average, min/max	%	ISO 536	±4	±4
Moisture average	%	Online	7.0 +1.5/-1	7.0 +1.5/-1
Burst strength, min	kPa	ISO 2758	195	225
SCT CD, min	kN/m	ISO 9895	1.45	1.70
Wax Pick (Dennison), min	#	T-549	12	12
Cobb 60s, max	g/m ²	ISO 535	35	35
ISO Brightness - R457, min	%	ISO 2470-1	70	70
E.B.A., max	ppm	T-437	300	300

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- Presentation liner with excellent printing quality
- Optimum combination of print and strength characteristics to allow product optimisation

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.



White Liner B HP

White Liner B is produced in Kemsley and Dueñas mills. We can offer you four slightly different variations of White Liner B.

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- Presentation liner with excellent printing quality
- Optimum combination of print and strength characteristics to allow product optimisation

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

White Liner B HP produced in Dueñas

Typical values

Property	Unit	Method	120	130	135	140	150	160
Grammage	g/m ²	ISO 536	120	130	135	140	150	160
Burst strength	kPa	ISO 2758	245	270	280	295	312	330
SCT CD	kN/m	ISO 9895	1.85	1.97	2.05	2.15	2.3	2.45

Guaranteed values

Property	Unit	Method	120	130	135	140	150	160
Grammage	g/m ²	ISO 536	120	130	135	140	150	160
Grammage average, min/max	%	ISO 536	±4	±4	±4	±4	±4	±4
Moisture average	%	Online	7.0 +1.5/-1	7.0 +1.5/-1	7.0 +1.5/-1	7.0 +1.5/-1	7.0 +1.5/-1	7.0 +1.5/-1
Burst strength, min	kPa	ISO 2758	220	240	250	260	277	295
SCT CD, min	kN/m	ISO 9895	1.70	1.82	1.90	1.95	2.10	2.25
Wax Pick (Dennison), min	#	T-549	13	13	13	13	13	13
Cobb 60s, max	g/m ²	ISO 535	35	35	35	35	35	35
ISO Brightness - R457, min	%	ISO 2470-1	70	70	70	70	70	70
E.B.A., max	ppm	T-437	300	300	300	300	300	300



White Liner B HP Highly Sized

White Liner B is produced in Kemsley and Dueñas mills. We can offer you four slightly different variations of White Liner B.

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- Presentation liner with excellent printing quality
- Optimum combination of print and strength characteristics to allow product optimisation

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

White Liner B HP Highly Sized produced in Dueñas

Typical values

Property	Unit	Method	120	125	130	135	140	155	160
Grammage	g/m ²	ISO 536	120	125	130	135	140	155	160
Burst strength	kPa	ISO 2758	245	260	270	280	295	320	330
SCT CD	kN/m	ISO 9895	1.85	1.90	1.97	2.05	2.15	2.37	2.45

Guaranteed values

Property	Unit	Method	120	125	130	135	140	155	160
Grammage	g/m ²	ISO 536	120	125	130	135	140	155	160
Grammage average, min/max	%	ISO 536	±4	±4	±4	±4	±4	±4	±4
Moisture average	%	Online	7.0 +1.5/-1	7.0 +1.5/-1	7.0 +1.5/-1	7.0 +1.5/-1	7.0 +1.5/-1	7.0 +1.5/-1	7.0 +1.5/-1
Burst strength, min	kPa	ISO 2758	220	230	240	250	260	285	295
SCT CD, min	kN/m	ISO 9895	1.70	1.75	1.82	1.90	1.95	2.17	2.25
Wax Pick (Dennison), min	#	T-549	13	13	13	13	13	13	13
Cobb 1800s, max	g/m ²	ISO 535	100	100	100	100	100	100	100
Roughness, Bendtsen, max	ml/min	ISO 8791-2	600	600	600	600	600	600	600
ISO Brightness - R457, min	%	ISO 2470-1	70	70	70	70	70	70	70
E.B.A., max	ppm	T-437	300	300	300	300	300	300	300

White Liner C

White Liner C is produced in Lucca and Dueñas mills. We can offer you two slightly different variations of White Liner C.

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- Presentation liner with good printing quality

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

White Liner C produced in Lucca

Typical values

Property	Unit	Method	120	125	135	150	160
Grammage	g/m²	ISO 536	120	125	135	150	160
Burst strength	kPa	ISO 2758	230	235	255	275	300
SCT CD	kN/m	ISO 9895	1.75	1.80	1.95	2.15	2.30

Guaranteed values

Property	Unit	Method	120	125	135	150	160
Grammage	g/m²	ISO 536	120	125	135	150	160
Grammage average, min/max	%	ISO 536	±3	±3	±3	±3	±3
Moisture average	%	Online	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1
Burst strength, min	kPa	ISO 2758	210	220	235	255	280
SCT CD, min	kN/m	ISO 9895	1.60	1.65	1.75	1.90	2.10
Plybond, min	J/m ²	TAPPI T-569	200	200	200	200	200
Cobb 60s, max (if applicable)	g/m ²	ISO 535	40	40	40	40	40
Brightness, min	%	ISO 2470-1	64	64	64	64	64
Roughness, Bendtsen, max	ml/min	ISO 8791-2	600	600	600	600	600



White Liner C

White Liner C is produced in Lucca and Dueñas mills. We can offer you two slightly different variations of White Liner C.

White Liner C produced in Dueñas

Typical values

Property	Unit	Method			
Grammage	g/m ²	ISO 536	115	120	125
Burst strength	kPa	ISO 2758	185	190	200
SCT CD	kN/m	ISO 9895	1.40	1.45	1.50

Guaranteed values

Property	Unit	Method			
Grammage	g/m ²	ISO 536	115	120	125
Grammage average, min/max	%	ISO 536	±4	±4	±4
Moisture average	%	Online	7.0 +1.5/-1	7.0 +1.5/-1	7.0 +1.5/-1
Burst strength, min	kPa	ISO 2758	170	175	180
SCT CD, min	kN/m	ISO 9895	1.20	1.25	1.30
Wax Pick (Dennison), min	#	T-549	10	10	10
Cobb 60s, max	g/m ²	ISO 535	35	35	35
ISO Brightness - R457, min	%	ISO 2470-1	62	62	62
E.B.A., max	ppm	T-437	500	500	500

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- Presentation liner with good printing quality

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

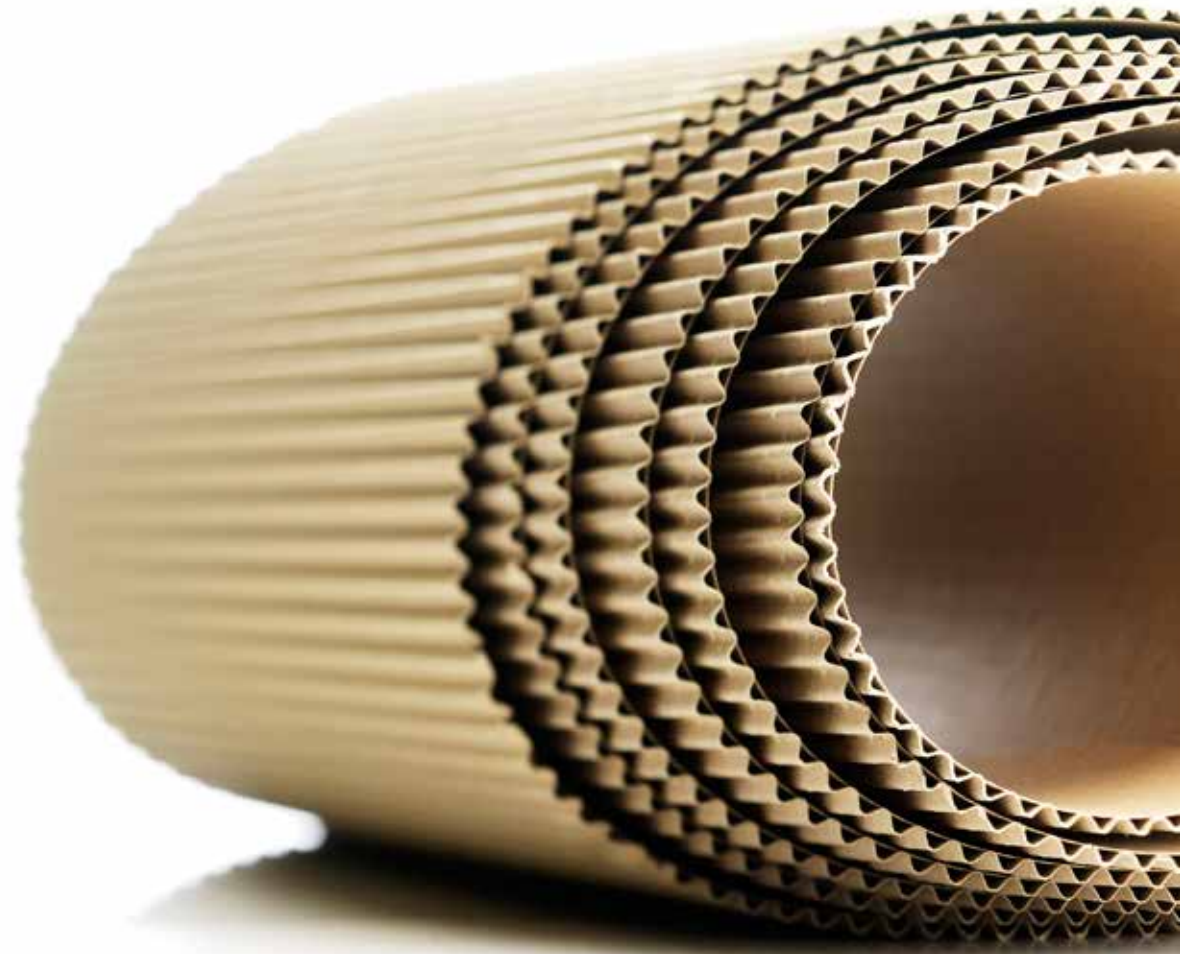


Medium / Fluting

We offer a wide range of Medium / Fluting grades, from light to high-performance to suit every application. Made from 100% recycled fibre, they are great at handling high speed converting in a robust manner.

Grades available

- Medium
- Medium Plus
- Medium HP
- Medium HP Plus
- Medium HP WS



Medium

Medium is produced in Aschaffenburg, Belišće, De Hoop, Lucca, Trakia and Žarnežti mills.

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- A very stable product with excellent runnability on the corrugator
- Highly competitive for your standard packaging

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

Typical values			Light Medium													
Property	Unit	Method														
Grammage	g/m ²	ISO 536	80	85	90	95	100	105	110	115	120	125	130	135	140	150
SCT CD	kN/m	ISO 9895	1.35	1.40	1.50	1.60	1.70	1.80	1.85	1.95	2.00	2.05	2.15	2.20	2.30	2.45
CMT 30	N	ISO 7263	-	-	-	-	170	175	180	185	190	200	210	215	220	250
Guaranteed values																
Property	Unit	Method														
Grammage	g/m ²	ISO 536	80	85	90	95	100	105	110	115	120	125	130	135	140	150
Grammage average, min/max	%	ISO 536	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3
Moisture average	%	Online	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1
SCT CD, min	kN/m	ISO 9895	1.25	1.30	1.40	1.50	1.55	1.65	1.70	1.80	1.85	1.90	2.00	2.05	2.15	2.30
CMT 30, min	N	ISO 7263	-	-	-	-	155	160	165	170	175	180	190	195	200	230

Medium Plus

Medium Plus is produced in Aschaffenburg, Belišće, De Hoop, Kemsley, Rouen, Trakia, Witzenhausen and Zărnești mills.'

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- A very stable product with excellent runnability on the corrugator
- Highly competitive with higher characteristics than standard

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

Typical values			Light Medium Plus								
Property	Unit	Method	80	85	90	95	100	110	120	130	140
Grammage	g/m ²	ISO 536	80	85	90	95	100	110	120	130	140
SCT CD	kN/m	ISO 9895	1.40	1.60	1.65	1.75	1.85	2.05	2.20	2.35	2.55
CMT 30	N	ISO 7263	-	-	-	-	165	180	205	220	235
Guaranteed values											
Property	Unit	Method	80	85	90	95	100	110	120	130	140
Grammage average, min/max	%	ISO 536	±3	±3	±3	±3	±3	±3	±3	±3	±3
Moisture average	%	Online	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1	8.0±1
SCT CD, min	kN/m	ISO 9895	1.30	1.45	1.50	1.60	1.70	1.90	2.05	2.20	2.35
CMT 30, min	N	ISO 7263	-	-	-	-	150	165	185	200	215



Medium HP

Medium HP is produced in Belišće, De Hoop, Lucca, Witzhausen, Zărnești and Alcolea mills. We can offer you two slightly different variations of Medium HP.

Characteristics

- FSC® certified
- Made from 100% recycled fibres to increase the strength of your boxes
- Additional strength characteristics to enable high-performance packaging

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

Medium HP produced in Belišće, De Hoop, Lucca, Witzhausen and Zărnești

Typical values

Property	Unit	Method								
Grammage	g/m ²	ISO 536	115	125	135	140	145	150	170	200
SCT CD	kN/m	ISO 9895	2.30	2.50	2.75	2.80	2.90	3.00	3.45	4.00
CMT 30	N	ISO 7263	200	220	240	255	285	295	335	-

Guaranteed values

Property	Unit	Method								
Grammage	g/m ²	ISO 536	115	125	135	140	145	150	170	200
Grammage average, min/max	%	ISO 536	±3	±3	±3	±3	±3	±3	±4	±5
Moisture average	%	Online	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1
SCT CD, min	kN/m	ISO 9895	2.10	2.30	2.50	2.60	2.70	2.80	3.20	3.70
CMT 30, min	N	ISO 7263	180	200	220	230	265	275	300	-



Medium HP

Medium HP is produced in Belišće, De Hoop, Lucca, Witzenhausen, Žarnești and Alcolea mills. We can offer you two slightly different variations of Medium HP.

Medium HP produced in Alcolea

Typical values

Property	Unit	Method			
Grammage	g/m²	ISO 536	135	150	160
SCT CD	kN/m	ISO 9895	2.57	2.85	3.04
CMT 30	N	ISO 7263	310	355	375

Guaranteed values

Property	Unit	Method			
Grammage	g/m²	ISO 536	135	150	160
Grammage average, min/max	%	ISO 536	±4	±4	±4
Moisture average	%	Online	8.5 ±1.5	8.5 ±1.5	8.5 ±1.5
SCT CD, min	kN/m	ISO 9895	2.30	2.55	2.72
CMT 30, min	N	ISO 7263	280	320	335
Porosity, Gurley, min	s/100ml	ISO 5636-5	30	30	30

Characteristics

- FSC® certified
- Made from 100% recycled fibres to increase the strength of your boxes
- Additional strength characteristics to enable high-performance packaging

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

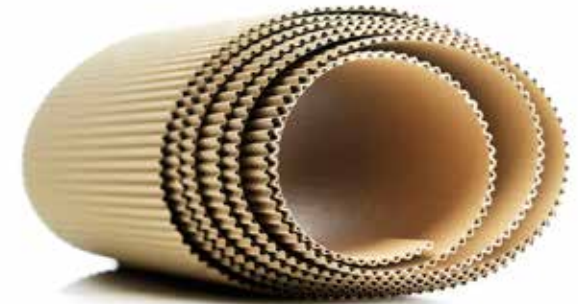
Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.



Medium HP Plus

Medium HP Plus is produced in Aschaffenburg, Belišće, De Hoop, Kemsley, Lucca, Rouen, Trakia, Witzenhausen, Zărnești and Alcolea mills. We can offer you two slightly different variations of Medium HP Plus.

Characteristics

- FSC® certified
- Made from 100% recycled fibres with performance additives to ensure very high strength properties
- A good alternative to Semi-Chemical fluting
- Good runnability and bonding

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

Medium HP Plus produced in Aschaffenburg, Belišće, De Hoop, Kemsley, Lucca, Rouen, Trakia, Witzenhausen and Zărnești

Typical values

Property	Unit	Method				
Grammage	g/m ²	ISO 536	130	135	160	165
SCT CD	kN/m	ISO 9895	2.65	2.75	3.25	3.35
CMT 30	N	ISO 7263	255	265	310	315

Guaranteed values

Property	Unit	Method				
Grammage	g/m ²	ISO 536	130	135	160	165
Grammage average, min/max	%	ISO 536	±3	±3	±3	±3
Moisture average	%	Online	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1
SCT CD, min	kN/m	ISO 9895	2.45	2.55	3.00	3.10
CMT 30, min	N	ISO 7263	235	245	285	290



Medium HP Plus

Medium HP Plus is produced in Aschaffenburg, Belišće, De Hoop, Kemsley, Lucca, Rouen, Trakia, Witzenhausen, Zărnești and Alcolea mills. We can offer you two slightly different variations of Medium HP Plus.

Characteristics

- FSC® certified
- Made from 100% recycled fibres with performance additives to ensure very high strength properties
- A good alternative to Semi-Chemical fluting
- Good runnability and bonding

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

Medium HP Plus produced in Alcolea

Typical values

Property	Unit	Method					
Grammage	g/m ²	ISO 536	130	140	150	160	170
SCT CD	kN/m	ISO 9895	2.85	3.10	3.30	3.50	3.75
CMT 30	N	ISO 7263	327	350	375	400	425

Guaranteed values

Property	Unit	Method					
Grammage	g/m ²	ISO 536	130	140	150	160	170
Grammage average, min/max	%	ISO 536	±4	±4	±4	±4	±4
Moisture average	%	Online	8.5 ±1.5	8.5 ±1.5	8.5 ±1.5	8.5 ±1.5	8.5 ±1.5
SCT CD, min	kN/m	ISO 9895	2.60	2.80	3.00	3.20	3.40
CMT 30, min	N	ISO 7263	285	307	326	346	367
Porosity, Gurley, min	s/100ml	ISO 5636-5	30	30	30	30	30



Medium HP WS

Medium HP WS is produced in Belišće and Alcolea mills. We can offer you two slightly different variations of Medium HP WS.

Medium HP WS produced in Belišće

Typical values

Property	Unit	Method		
Grammage	g/m ²	ISO 536	145	170
SCT CD	kN/m	ISO 9895	2.75	3.15
CMT 30	N	ISO 7263	315	340

Guaranteed values

Property	Unit	Method		
Grammage	g/m ²	ISO 536	140	170
Grammage average, min/max	%	ISO 536	±3	±3
Moisture average	%	Online	8.0 ±1	8.0 ±1
SCT CD, min	kN/m	ISO 9895	2.50	2.85
CMT 30, min	N	ISO 7263	295	320
Cobb 60s, max	g/m ²	ISO 535	55	55

Characteristics

- FSC® certified
- Made from 100% recycled fibres with performance additives and wet-strength to resist high moisture and retain high strength properties
- A good alternative to Semi-Chemical fluting
- Good runnability and bonding

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.



Medium HP WS

Medium HP WS is produced in Belišće and Alcolea mills. We can offer you two slightly different variations of Medium HP WS.

Medium HP WS produced in Alcolea

Typical values

Property	Unit	Method		
Grammage	g/m²	ISO 536	170	190
SCT CD	kN/m	ISO 9895	4.3	4.80
CMT 30	N	ISO 7263	425	-

Guaranteed values

Property	Unit	Method		
Grammage	g/m²	ISO 536	170	190
Grammage average, min/max	%	ISO 536	±4	±4
Moisture average	%	Online	8.5 ±1.5	8.5 ±1.5
SCT CD, min	kN/m	ISO 9895	3.90	4.40
CMT 30, min	N	ISO 7263	374	-
Porosity, Gurley, min	s/100ml	ISO 5636-5	30	30

Characteristics

- FSC® certified
- Made from 100% recycled fibres with performance additives to resist high humidity conditions and retain our highest strength properties
- A good alternative to Semi-Chemical fluting
- Good runnability and bonding

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.



Dual-Use

Made from 100% recycled fibre, our Dual-Use grades perform well during the corrugator and the conversion process, meaning they can be utilised to their full potential in both sheet feeding and conventional printing sectors.

Grades available

- Dual-Use
- Dual-Use HP Plus



Dual-Use

Dual-Use is produced in Kemsley, Alcolea, Dueñas and Rouen mills. We can offer you three slightly different variations of Dual-Use.

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- Great runnability as Liner or Medium on the corrugator with very good strength properties
- Good solution for optimising warehouse stock

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

Dual-Use produced in Kemsley

Typical values

Property	Unit	Method				
Grammage	g/m²	ISO 536	85	100	110	125
Burst strength	kPa	ISO 2758	210	235	255	290
SCT CD	kN/m	ISO 9895	1.60	1.85	2.05	2.30
CMT 30	N	ISO 7263	-	160	175	200

Guaranteed values

Property	Unit	Method				
Grammage	g/m²	ISO 536	85	100	110	125
Grammage average, min/max	%	ISO 536	±3	±3	±3	±3
Moisture average	%	Online	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1
Burst strength, min	kPa	ISO 2758	180	210	230	260
SCT CD, min	kN/m	ISO 9895	1.45	1.70	1.90	2.15
CMT 30, min	N	ISO 7263	-	145	160	180
Cobb 60s, max	g/m ²	ISO 535	45	45	45	45



Dual-Use

Dual-Use is produced in Kemsley, Alcolea, Dueñas and Rouen mills. We can offer you three slightly different variations of Dual-Use.

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- Great runnability as Liner or Medium on the corrugator with very good strength properties
- Good solution for optimising warehouse stock

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

Dual-Use produced in Alcolea and Dueñas

Typical values

Property	Unit	Method									
Grammage	g/m²	ISO 536	110	120	130	140	150	160	170	180	190
Burst strength	kPa	ISO 2758	250	290	315	340	360	385	410	435	455
SCT CD	kN/m	ISO 9895	2.00	2.15	2.30	2.50	2.70	2.90	3.05	3.25	3.45
CMT 30	N	ISO 7263	210	230	245	265	280	300	320	-	-

Guaranteed values

Property	Unit	Method									
Grammage	g/m²	ISO 536	110	120	130	140	150	160	170	180	190
Grammage average, min/max	%	ISO 536	±4	±4	±4	±4	±4	±4	±4	±4	±4
Moisture average	%	Online	8.5 ±1.5	8.5 ±1.5	8.5 ±1.5	8.5 ±1.5	8.5 ±1.5	8.5 ±1.5	8.5 ±1.5	8.5 ±1.5	8.5 ±1.5
Burst strength, min	kPa	ISO 2758	220	245	265	285	300	320	340	360	380
SCT CD, min	kN/m	ISO 9895	1.75	1.95	2.10	2.25	2.40	2.55	2.70	2.85	3.00
CMT 30, min	N	ISO 7263	180	197	214	230	245	260	275	-	-
Cobb 60s, max	g/m ²	ISO 535	50	50	50	50	50	50	50	50	50



Dual-Use

Dual-Use is produced in Kemsley, Alcolea, Dueñas and Rouen mills. We can offer you three slightly different variations of Dual-Use.

Dual-Use produced in Rouen

Typical values

Property	Unit	Method			
Grammage	g/m²	ISO 536	85	100	110
Burst strength	kPa	ISO 2758	210	225	260
SCT CD	kN/m	ISO 9895	1.55	1.80	1.90
CMT 30	N	ISO 7263	-	165	175

Guaranteed values

Property	Unit	Method			
Grammage	g/m²	ISO 536	85	100	110
Grammage average, min/max	%	ISO 536	±3	±3	±3
Moisture average	%	Online	7.5 ±1	7.5 ±1	7.5 ±1
Burst strength, min	kPa	ISO 2758	180	210	220
SCT CD, min	kN/m	ISO 9895	1.45	1.60	1.75
CMT 30, min	N	ISO 7263	-	150	165
Cobb 60s, max (if applicable)	g/m ²	ISO 535	45	-	50
Cobb 1800s, max (if applicable)	g/m ²	ISO 535	-	-	110

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- Great runnability as Liner or Medium on the corrugator with very good strength properties
- Good solution for optimising warehouse stock

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.



Dual-Use HP Plus

Dual-Use HP Plus is produced in Kemsley mill.

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- Great runnability as Liner or Medium on the corrugator with the highest strength properties available to suit demanding applications
- Good solution for optimising warehouse stock

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

Typical values

Property	Unit	Method	
Grammage	g/m²	ISO 536	130
Burst strength	kPa	ISO 2758	335
SCT CD	kN/m	ISO 9895	2.70
CMT 30	N	ISO 7263	245

Guaranteed values

Property	Unit	Method	
Grammage	g/m²	ISO 536	130
Grammage average, min/max	%	ISO 536	±3
Moisture average	%	Online	8.0 ±1
Burst strength, min	kPa	ISO 2758	300
SCT CD, min	kN/m	ISO 9895	2.45
CMT 30, min	N	ISO 7263	210
Cobb 60s, max	g/m ²	ISO 535	45



Kraft Liners

Made from 100% sustainably sourced virgin fibre, our Kraft liners are boasting excellent resistance to tearing, moisture, stress, and punching.

Grades available

- [Brown Kraft Liner](#)
- [Brown Kraft Top Liner](#)



Brown Kraft Liner

Brown Kraft Liner is produced in Viana mill.

Characteristics

- FSC® certified
- Made from sustainably sourced virgin fibres
- Excellent resistance to tearing, moisture, stress, and punching
- Great runnability achieving high production efficiency
- High compression strength retention over time so it's great for use in moist environments

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.

Typical values

Property	Unit	Method	115	125	135	170	186	200	225	275
Grammage	g/m²	ISO 536	115	125	135	170	186	200	225	275
Burst strength	kPa	ISO 2759	535	570	625	760	860	910	970	1130
SCT CD	kN/m	ISO 9895	2.30	2.55	2.75	3.50	3.85	4.10	4.60	5.80

Guaranteed values

Property	Unit	Method	115	125	135	170	186	200	225	275
Grammage	g/m²	ISO 536	115	125	135	170	186	200	225	275
Grammage average, min/max	%	ISO 536	±3	±3	±3	±3	±3	±3	±3	±3
Moisture average	%	Online	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 ±1	8.0 +1.5/-1	8.0 +1.5/-1	8.0 +1.5/-1
Burst strength, min	kPa	ISO 2759	430	480	515	635	710	730	830	920
SCT CD, min	kN/m	ISO 9895	1.95	2.15	2.30	2.90	3.30	3.55	4.00	5.00
Scott Bond, min	J/m ²	TAPPI T-569	220	220	220	220	220	220	220	220
Wax Pick (Dennison), min	#	TAPPI T-459	16	16	16	16	16	16	16	16
Cobb 60s, max	g/m ²	ISO 535	32	32	32	32	32	32	32	32

Brown Kraft Top Liner

Brown Kraft Top Liner is produced in Viana mill.

Characteristics

- FSC® certified
- Made from sustainably sourced virgin fibres
- Great runnability producing savings in terms of speed, fewer stoppages and losses
- High compression strength retention over time so it's great for use in moist environments

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.



Typical values

Property	Unit	Method			
Grammage	g/m²	ISO 536	115	140	165
Burst strength	kPa	ISO 2759	360	440	520
SCT CD	kN/m	ISO 9895	2.10	2.50	3.10

Guaranteed values

Property	Unit	Method			
Grammage	g/m²	ISO 536	115	140	165
Grammage average, min/max	%	ISO 536	±3	±3	±3
Moisture average	%	Online	8.0 ±1	8.0 ±1	8.0 ±1
Burst strength, min	kPa	ISO 2759	325	400	470
SCT CD, min	kN/m	ISO 9895	1.60	1.95	2.40
Scott Bond, min	J/m ²	TAPPI T-569	200	200	200
Wax Pick (Dennison), min	#	TAPPI T-459	16	16	16
Cobb 60s, max	g/m ²	ISO 535	32	32	32

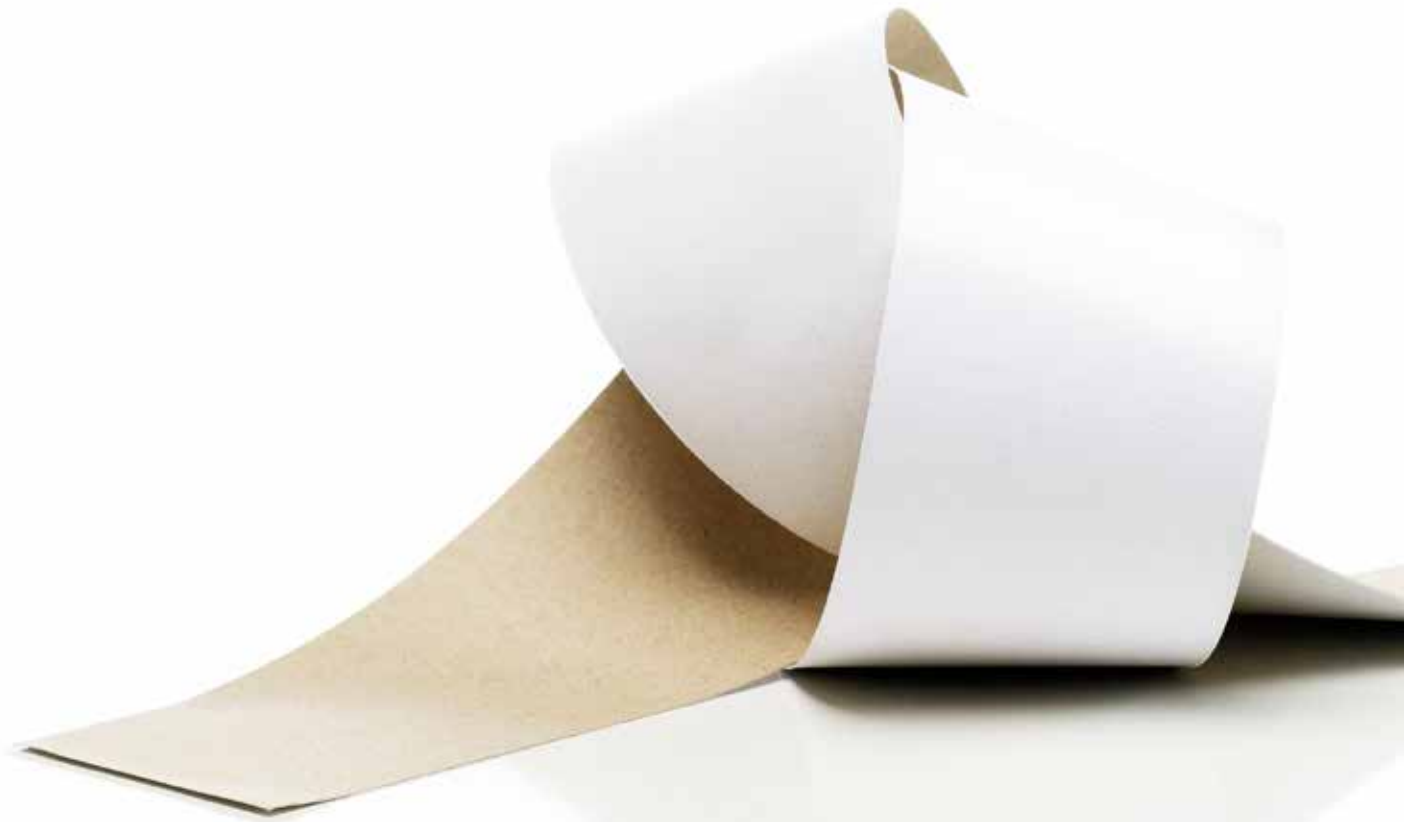
Please note that availability of products and delivery options depend on your location. Please get in touch with our sales team for more information via paper@dssmith.com.

Coated Papers

Made from recycled fibre, our Coated Papers are specially-designed to reduce trapping and optimise dot gain. Ideal for packaging with the high-quality print requirements.

Grades available

- Top Double Coated
- Double Coated
- Double Coated Economic
- Light Coated



Top Double Coated

Top Double Coated is produced in Dueñas mill.

Typical values

Property	Unit	Method				
Grammage	g/m²	ISO 536	140	150	160	180
Burst strength	kPa	ISO 2758	295	315	335	380
		ISO 2759	340	360	380	425
SCT CD	kN/m	ISO 9895	2.65	2.85	3.05	3.4
Scott Bond	J/m ²	T-569	320	320	320	320
Cobb 1800s	g/m ²	ISO 535	80	80	80	80
Coated weight	g/m ²	ITR-201-55	20	20	20	20
Roughness, PPS	um	ISO 8791-4	1.7	1.7	1.7	2.1
ISO Brightness - R457	%	ISO 2470-1	85	85	85	85
		ISO 2470-2	89	89	89	89
Gloss	°	ISO 8254-1	50	50	50	50
E.B.A.	ppm	T-437	3	3	3	3

Guaranteed values

Property	Unit	Method				
Grammage	g/m²	ISO 536	140	150	160	180
Grammage average, min/max	%	ISO 536	±4	±4	±4	±4
Moisture average	%	Online	7.5 ±1	7.5 ±1	7.5 ±1	7.5 ±1
Burst strength, min	kPa	ISO 2758	240	260	285	335
SCT CD, min	kN/m	ISO 9895	2.40	2.55	2.70	3.05
Scott Bond, min	J/m ²	T-569	280	280	280	280
Cobb 1800s, max	g/m ²	ISO 535	110	110	110	110
Roughness, PPS, max	um	ISO 8791-4	2.4	2.4	2.4	2.8
ISO Brightness - R457, min	%	ISO 2470-1	82	82	82	82
E.B.A., max	ppm	T-437	10	10	10	10

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- Designed to reduce trapping and optimise dot gain
- Premium appearance in terms of neatness, brightness and whiteness
- Great mechanical quality in the folding process

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.



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Double Coated

Double Coated is produced in Dueñas mill.

Typical values

Property	Unit	Method				
Grammage	g/m²	ISO 536	140	150	160	180
Burst strength	kPa	ISO 2758	270	295	320	360
		ISO 2759	315	340	365	310
SCT CD	kN/m	ISO 9895	2.50	2.70	2.90	3.25
Scott Bond	J/m ²	T-569	280	280	280	280
Cobb 60s	g/m ²	ISO 535	35	35	35	35
Coated weight	g/m ²	ITR-201-55	20	20	20	20
Roughness, PPS	um	ISO 8791-4	1.7	1.7	1.7	2.1
ISO Brightness - R457	%	ISO 2470-1	85	85	85	85
		ISO 2470-2	89	89	89	89
Gloss	°	ISO 8254-1	50	50	50	50
E.B.A.	ppm	T-437	3	3	3	3

Guaranteed values

Property	Unit	Method				
Grammage	g/m²	ISO 536	140	150	160	180
Grammage average, min/max	%	ISO 536	±4	±4	±4	±4
Moisture average	%	Online	7.5 ±1	7.5 ±1	7.5 ±1	7.5 ±1
Burst strength, min	kPa	ISO 2758	230	253	275	310
SCT CD, min	kN/m	ISO 9895	2.25	2.37	2.50	2.90
Scott Bond, min	J/m ²	T-569	240	240	240	240
Cobb 60s, max	g/m ²	ISO 535	50	50	50	50
Roughness, PPS max	um	ISO 8791-4	2.4	2.4	2.4	2.8
ISO Brightness - R457, min	%	ISO 2470-1	82	82	82	82
E.B.A., max	ppm	T-437	10	10	10	10

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- Designed to reduce trapping and optimise dot gain
- Optimum quality for neatness, brightness and whiteness
- Great mechanical qualities

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

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Double Coated Economic

Double Coated Economic is produced in Dueñas mill.

Typical values

Property	Unit	Method					
Grammage	g/m²	ISO 536	130	140	150	160	180
Burst strength	kPa	ISO 2758	220	240	220	300	320
		ISO 2759	265	285	280	345	365
SCT CD	kN/m	ISO 9895	2.25	2.40	2.45	2.70	3.05
Scott Bond	J/m ²	T-569	280	280	280	280	280
Cobb 60s	g/m ²	ISO 535	35	35	35	35	35
Coated weight	g/m ²	ITR-201-55	18	18	18	18	18
Roughness, PPS	um	ISO 8791-4	2.0	2.0	2.0	2.0	2.2
ISO Brightness - R457	%	ISO 2470-1	80	80	80	80	80
		ISO 2470-2	83	83	83	83	83
Gloss	°	ISO 8254-1	44	44	44	44	44
E.B.A.	ppm	T-437	3	3	3	3	3

Guaranteed values

Property	Unit	Method					
Grammage	g/m²	ISO 536	130	140	150	160	180
Grammage average, min/max	%	ISO 536	±4	±4	±4	±4	±4
Moisture average	%	Online	7.5 ±1	7.5 ±1	7.5 ±1	7.5 ±1	7.5 ±1
Burst strength, min	kPa	ISO 2758	200	215	250	265	290
SCT CD, min	kN/m	ISO 9895	1.95	2.10	2.15	2.40	2.70
Scott Bond, min	J/m ²	T-569	240	240	240	240	240
Cobb 60s, max	g/m ²	ISO 535	50	50	50	50	50
Roughness, PPS, max	um	ISO 8791-4	2.5	2.5	2.5	2.5	2.9
ISO Brightness - R457, min	%	ISO 2470-1	77	77	77	77	77
E.B.A., max	ppm	T-437	10	10	10	10	10

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- Cost-effective solution with great printing capabilities
- Great mechanical qualities

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

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Light Coated

Light Coated is produced in Dueñas mill.

Typical values

Property	Unit	Method					
Grammage	g/m²	ISO 536	120	130	140	160	180
Burst strength	kPa	ISO 2758	255	270	295	335	380
		ISO 2759	300	315	340	380	425
SCT CD	kN/m	ISO 9895	2.15	2.35	2.50	2.90	3.25
Scott Bond	J/m ²	T-569	280	280	280	280	280
Cobb 60s	g/m ²	ISO 535	35	35	35	35	35
Roughness, PPS	um	ISO 8791-4	3.3	3.3	3.3	3.3	3.6
ISO Brightness - R457	%	ISO 2470-1	80	80	80	80	80
		ISO 2470-2	83	83	83	83	83
Gloss	°	ISO 8254-1	25	25	25	25	25
E.B.A.	ppm	T-437	6	6	6	6	6

Guaranteed values

Property	Unit	Method					
Grammage	g/m²	ISO 536	120	130	140	160	180
Grammage average, min/max	%	ISO 536	±4	±4	±4	±4	±4
Moisture average	%	Online	7.5 ±1	7.5 ±1	7.5 ±1	7.5 ±1	7.5 ±1
Burst strength, min	kPa	ISO 2758	225	240	260	300	335
SCT CD, min	kN/m	ISO 9895	1.95	2.10	2.25	2.55	2.90
Scott Bond, min	J/m ²	T-569	240	240	240	240	240
Cobb 60s, max	g/m ²	ISO 535	50	50	50	50	50
Roughness, PPS, max	um	ISO 8791-4	4	4	4	4	4.2
ISO Brightness - R457, min	%	ISO 2470-1	77	77	77	77	77
E.B.A., max	ppm	T-437	20	20	20	20	20

Characteristics

- FSC® certified
- Made from 100% recycled fibres
- Best whiteness level and natural tone
- Making printing easier due to quick ink drying even in digital printing
- Great runnability during handling and converting

Key Applications



Typical Values

Typical is what a customer can expect to receive on a customer reel average

Guaranteed values

Guaranteed is a min/max value of a property on a customer reel average

Test conditions

50% RH and 23°C

Issue date

October 2020

Alternative grammages, not listed, may be available - please contact our sales team for more information.





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