

SCA Kraftliner

Grow with the performance of a true star



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This is a good place to start for any application in consumer durables, e-commerce, electronics, hazardous goods, industrial products, refrigerated and frozen food.

The strength provided by SCA Kraftliner enables us to offer exceptional performance in all environments, from normal conditions to high humidity and cyclical climate changes. SCA Kraftliner is produced with a base layer of mainly fresh fibre and a surface layer of the finest unbleached fresh fibre that provide excellent strength, long-life durability and maximum protection. Kraftliner has a purity that makes it a good choice for food contact applications.

Control

Our strict control programme ensures that the moisture, strength, and glue absorption properties remain uniform and well defined. A high-tech process control enables our product to handle the most demanding corrugating and conversion processes. A rejection limit on peak-

to-peak CD variation classifies all moisture and dry streaks within the reel. This is essential for excellent runnability on modern high-speed corrugators and for the production of flat board. It also guarantees fewer defects and failures, and less waste.

Performance

SCA Kraftliner provides a premium surface with uniform colour. Excellent runnability and printability also contribute to its proven track record. It produces less dust than a recycled liner and has better conversion capabilities. Above all — it has the strength to survive variations in climate and long transportation chains. SCA Kraftliner fulfils the legal demands for direct contact with fatty, moist and dry food as well as foodstuffs that are shelled, peeled or washed before consumption.

TYPICAL VALUES* (as of July 2018)

Property	Unit	Method							
Grammage	g/m ²	ISO 536	100	115	125	135	170	186	200
Thickness	µm	ISO 534	130	150	165	175	220	235	250
Bursting strength	kPa	ISO 2758	470	530	560	610	760	820	890
SCT CD	kN/m	ISO 9895	2.1	2.4	2.6	2.8	3.3	3.6	3.8
SCT MD	kN/m	ISO 9895	3.5	4.0	4.3	4.6	5.8	6.2	6.5
Tensile strength MD	kN/m	ISO 1924-3	10.9	12.1	13.1	13.9	17.4	18.8	20.5
Tensile strength CD	kN/m	ISO 1924-3	4.9	5.5	5.9	6.2	7.2	7.4	8.3
Tensile stiffness MD	kN/m	ISO 1924-3	1040	1130	1220	1320	1610	1700	1780
Tensile stiffness CD	kN/m	ISO 1924-3	400	440	490	530	600	660	700
Moisture average	%	Online	8	8	8	8	8	8	8
Porosity, Gurley	sec	ISO 5636-5	50	50	55	60	60	65	65
Roughness, Bendtsen	ml/min	ISO 8791-2	600	700	700	800	900	1000	1000
Cobb 60	g/m ²	ISO 535	32	32	32	32	32	32	32
Colour Y Value		ISO 2471	28	28	28	28	28	28	28

* Typical value is our long-term average, typically the last annual average based on all measures on customer reels.

Bursting strength: High bursting strength is important for the containability of the corrugated box and the box performance in varying climate conditions, such as cold storage or freezer applications. It is also evidence of high fresh fibre content, which improves convertibility by reducing cracking and dusting when die cutting.

SCT MD/CD: The compression strength is vital for the edge crush strength (ECT) of the board, which in turn is significant for the box compression strength (BCT).

Tensile stiffness: Tensile stiffness of the liner in combination with the thickness of the corrugated board determines the bending stiffness of the corrugated board, which is key to resisting bulging of boxes and trays.

Moisture: Even moisture profile is essential for excellent runnability on modern high-speed corrugators and for the production of flat board.

Testing conditions

All our values are based on testing at standard climate, 50% RH and 23°C. Our testing equipment is calibrated versus the Greenhouse Comparative Testing.

Latest updated version can be found on www.sca.com/containerboard



WWF's Environmental Paper Company Index
SCA Containerboard has increased its scores overall from 75,3% in 2013 to 77,3% in 2017.



The right product for the right job



SCA Kraftliner
White Top



SCA Kraftliner
Heavy Duty



SCA Kraftliner
Wet Strength



SCA Kraftliner



SCA Eurokraft

All Kraftliner products are based on our original, high-quality **SCA Kraftliner**, made from a base layer of mainly fresh fibre and a surface layer of the finest unbleached fresh fibre.

The superior properties of SCA Kraftliner make it suitable for demanding applications, and by adding reliable technical properties we achieve outstanding performance for a range of specific purposes — consumer durables, electronics, hazardous goods, industrial products, and frozen foods, etc.

Our Kraftliner product extensions — **White Top** with brilliant performance and high-quality printing properties, **Wet Strength** for maximum capacity in high humidity and long-term storage, and higher grammage **Heavy Duty** for extreme execution in demanding applications — are the result of our own R&D.

SCA Eurokraft is our complement to the Kraftliner product range for less demanding applications. A bottom ply based on recycled fibre and a top ply of purely fresh fibre offer higher capability than recycled liners.

