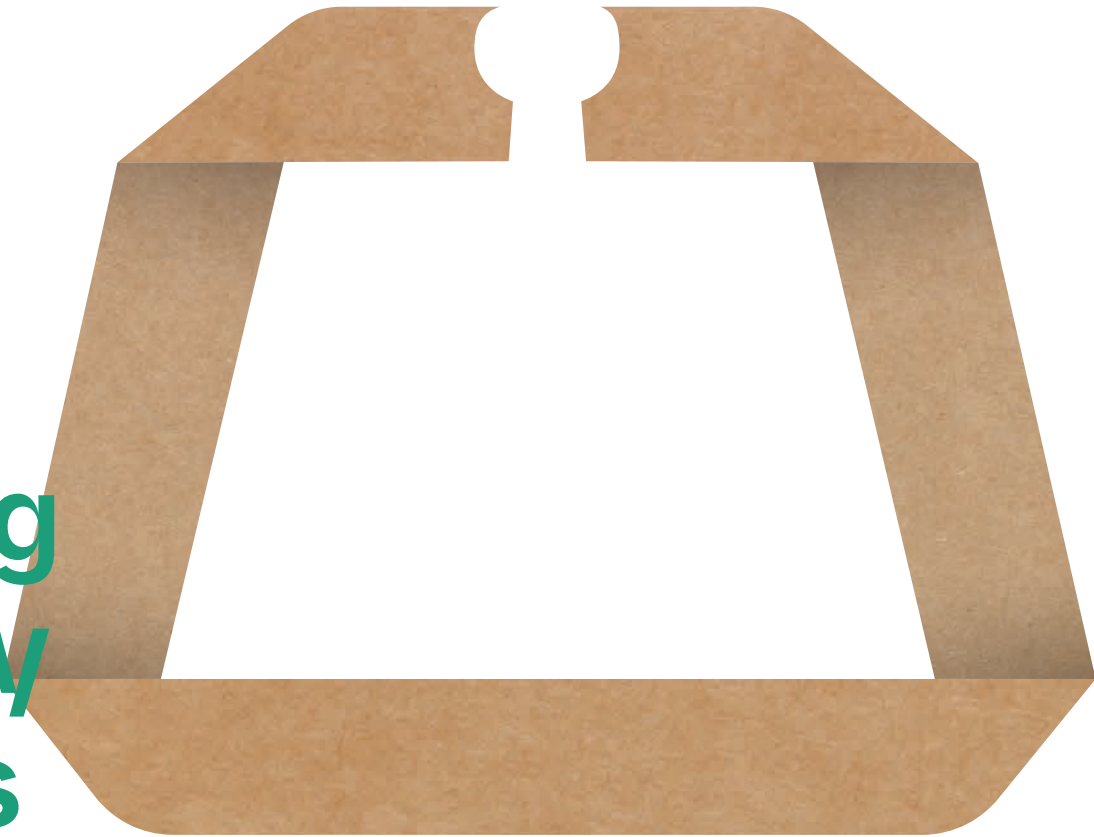


SCA Kraftliner Heavy Duty

Powering for heavy business



Powering for heavy business



This is a very successful field of R&D where we have developed the highest grammages even up to 440 gsm. Our unique machine assets and long experience enable us to offer our Kraftliner Heavy Duty for heavy business. It is optimal for extremely heavy goods packaging solutions.

SCA Kraftliner Heavy Duty is produced with a base layer of mainly fresh fibre and a surface layer of the finest unbleached fibre that provide excellent strength, long-life durability and maximum protection. It is optimal for extremely heavy goods such as completely knocked down (CKD) cars, and also suited for other industrial applications where the value of goods needs to be protected. Important segments are the automotive, electronics and furniture industries.

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

The added strength and performance of SCA Kraftliner Heavy Duty opens a door to new innovative and extreme applications. This provides exceptional convertibility performance and offers new ways to challenge conventions. SCA Kraftliner Heavy Duty 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 October 2023)

Property	Unit	Method						
Grammage	g/m ²	ISO 536	225	250	275	300	400	440
Thickness	µm	ISO 534	290	325	360	390	515	565
Bursting strength	kPa	ISO 2758	850	960	990	1080	1440	1580
SCT CD	kN/m	ISO 9895	4.2	4.8	5.2	5.6	7.1	7.7
SCT MD	N/m	ISO 9895	6.5	7.1	7.5	8.1	10.4	11.5
Tensile stiffness CD	kN/m	ISO 1924-3	780	850	950	1010	1220	1290
Tensile stiffness MD	kN/m	ISO 1924-3	1800	1890	1950	2110	2650	2880
Roughness, Bendtsen	ml/min	ISO 8791-2	1000	1000	1150	1300	1350	1450
Cobb 60	g/m ²	ISO 535	30	30	29	29	29	29

*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: 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. We participate in the Greenhouse Comparative Testing.

Reel core diameter: 10 cm.

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



SCA Containerboard mills are certified in accordance with ISO 9001, ISO 14001, ISO 45001 and ISO 50001.



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**, with a base of mainly fresh fibre and a smooth 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 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 products. A capable alternative for less demanding applications. It has a base of recycled fibres and a top layer made with purely fresh fibre that offers higher performance than recycled liners.

