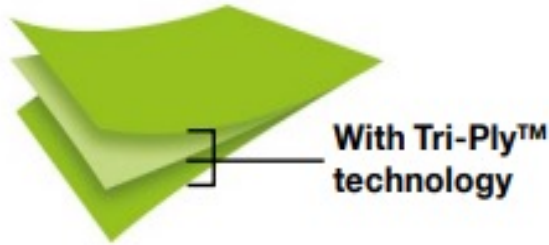




AvantForte Brown™

Brown Kraftliner

AvantForte Brown is a 3-layer structured, strong and durable kraftliner for corrugated packaging, made from 100% fresh fibres. It offers a superior solution for lightweight, yet extremely strong packaging which is suitable for direct food contact too.



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Typical values (are based on machine reel average values measured during last six month's period)

Property/unit	Tolerance									Method
Basis weight , g/m ²	±3%	85	100	115	125	135	150	170	200	ISO 536
Moisture, avg, %, on-line	±1%	8	8	8	8	8	8	8	8	
Thickness, µm		115	140	160	170	185	200	230	265	ISO 534
SCT CD, kN/m		2.1	2.5	3.0	3.3	3.5	4.0	4.5	5.2	ISO 9895
Bursting strength, kPa		420	500	580	640	690	800	920	1080	ISO 2758
Tensile stiffness CD, kN/m		410	490	570	610	670	750	840	980	ISO 1924-3
Tensile stiffness MD, kN/m		980	1150	1340	1470	1580	1760	2020	2440	ISO 1924-3
Roughness Bendtsen TS, ml/min		540	540	540	540	600	600	700	700	ISO 8791
Porosity Gurley,		60	60	60	60	60	60	60	60	ISO 5636-5
Cobb 60 TS, g/m ²		30	30	30	30	30	30	30	30	ISO 535

Laboratory test climate 23°C/50% RH (According to ISO 187).

All properties according to Oulu Mill average measurements from board machine production.

Tolerances based upon 95 % confidence limits, apply to delivered machine reel average

Reel diameters: 125, 145 cm. Reel core size 10 cm.

Producing mill: Oulu, Finland

Certificates

Product safety FSSC 22000
 Quality management ISO 9001 Environmental management ISO 14001
 Environmental management ISO 14001
 Occupational health and safety ISO 45001
 Energy management ISO 50001
 FSC®-C127282 Chain of Custody
 INS-PEFC-COC-208949 Chain of Custody

Stora Enso is committed to continuous quality improvement. Our products' specifications are reviewed, and if necessary, updated with the objective to reflect quality improvements. Please check the latest version from Stora Enso web site.

Key characteristics and main enduses

AvantForte Brown is a 100% fresh fiber based 3-layer structured kraftliner for highly demanding end-uses requiring high stacking strength, purity and premium printability such as corrugated packaging in direct food contact and e-commerce. AvantForte Brown is a premium kraftliner for customers' toughest needs guaranteeing outstanding performance.

Ideal storage conditions: 23°C/50% RH

Paper should be stored in a dry, covered and ventilated warehouse. It is recommended that prior to use in production, paper should be stored some time in conditions similar to the conditions in the production hall. The required storage period depends mainly on the volume of paper reel, as well as the temperature difference between the warehouse and production hall.

