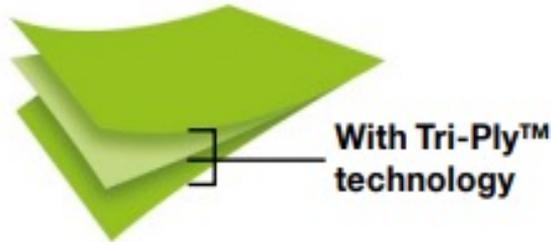


AvantForte WhiteTop is 3-layer structured, strong and durable whitetop kraftliner for corrugated packaging, made from 100% fresh fibres. It offers a superior solution for high quality printing, lightweight, yet extremely strong packaging.



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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 <sup>2</sup>	±3%	100	110	125	135	160	175	ISO 536
Moisture, avg, %, on-line	±1%	8	8	8	8	8	8	
Thickness, µm		122	133	150	165	195	215	ISO 534
SCT CD, kN/m		2.2	2.7	3.1	3.3	4	4.3	ISO 9895
Bursting strength, kPa		450	500	560	610	720	790	ISO 2758
Brightness TS, %		71	71	73	73	73	73	ISO 2470-1
Tensile stiffness CD, kN/m		450	550	625	675	800	875	ISO 1924-3
Tensile stiffness MD, kN/m		990	1210	1375	1485	1760	1850	ISO 1924-3
Roughness Bendtsen TS, ml/min		300	300	300	300	400	450	ISO 8791
Porosity Gurley,		60	60	60	60	60	60	ISO 5636-5
Cobb 60 TS, g/m <sup>2</sup>		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 FSSC22000  
Quality management ISO 9001  
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 WhiteTop is 100% fresh fiber based 3-layer structured whitetop kraftliner for highly demanding end-uses requiring premium printability, high stacking strength and purity, such as corrugated packaging in direct food contact and premium e-commerce. Its suitable also for fresh fruit and vegetable packaging, consumer electronics, home and garden, non-durable goods and self-ready packaging.

### 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.

