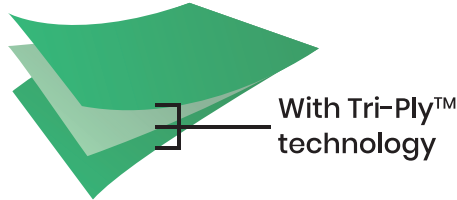


AvantForte WhiteTop™

Whitetop Kraftliner

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.



Issued: 01.2026
Replaces: 10.2024

Technical specification, typical values (are based on machine reel average values measured during last six month's period)

Typical properties, Imperial	Unit									
Nominal basis weight	lb/1000 sq. Ft.		21	23	26	28	30	33	36	
Caliper	pts		4.8	5.2	5.9	6.4	6.9	7.6	8.3	
SCT CD	lbs/in		12.6	14.8	17.1	18.8	20.0	22.8	24.6	
Bursting strength	psi		59	67	77	86	88	103	115	
Tensile stiffness MD	lbs/in		5653	6681	7423	8108	8508	9422	10392	
Tensile stiffness CD	lbs/in		2570	2798	3255	3712	3997	4568	4996	
Typical properties, Metric		Tolerance							Method	
Nominal basis weight	g/m ²	±3%	100	110	125	135	145	160	175	ISO 536
Moisture avg, on-line	%	±1%	8	8	8	8	8	8	8	
Thickness	µm		122	133	150	163	175	192	210	ISO 534
SCT CD	kN/m		2.2	2.6	3.0	3.3	3.5	4.0	4.3	ISO 9895
Bursting Strength	kPa		410	460	530	590	610	710	790	ISO 2758
ISO Brightness C/2°, Top	%		71	71	73	73	73	73	73	ISO 2470-1
Tensile stiffness MD	kN/m		990	1170	1300	1420	1490	1650	1820	ISO 1924-3
Tensile stiffness CD	kN/m		450	490	570	650	700	800	875	ISO 1924-3
Surface Roughness Bendtsen, Top	ml/min		300	300	300	300	350	350	400	ISO 8791-2
Air permeability Gurley	s		60	80	80	90	90	90	90	ISO 5636-05
Cobb ₆₀ , Top	g/m ²		30	30	30	30	30	30	30	ISO 535

All properties according to mill average measurements from board machine production.

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

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

Reel diameters: 49 in, 57 in. Reel core size 4 in.

Producing mill: Oulu, Finland

Certificates

Quality management ISO 9001

Environmental management ISO 14001

Food safety FSSC 22000

Occupational health and safety ISO 45001

Energy management ISO 50001

FSC Chain of Custody: FSC® -C127282

PEFC Chain of Custody: INS-PEFC-COC-208949

Stora Enso is committed to continuously optimize quality for the evolving needs of end users. Our products' specifications are reviewed, and if necessary, updated to reflect quality development. 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.

Storage recommendations

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. To help maintain the quality and performance of our product, we recommend following the First-In, First-Out (FIFO) principle during storage. Additionally, we advise using the product within one year from the production date. If the recommended storage time is exceeded, the company cannot guarantee product performance. The recommended storage conditions are 50-55 % relative humidity and 20-23°C.

