



BambooConstruct
by Bamboologic

TECHNICAL DATASHEET

Bamboo Kraft Pulp.

Virgin bamboo-fibre kraft pulp for paper and moulded products — supplied as **bleached** and **unbleached** grades. Verified mill test data to Chinese national (GB/T) methods.

— Fibre between softwood & hardwood



AT A GLANCE

84.5%

Brightness · bleached

2grades

Bleached & unbleached

≤ 1.0%

Ash content

60g/m²

Copy-unit grammage

Bamboo Kraft Pulp.

Bamboo has been used to make paper for more than 3,000 years. Bamboo kraft pulp is produced from bamboo by the **sulfate** bamboo by the **sulfate (kraft) digestion** process. Its fibres are thin, soft and medium-long — giving high bulk and a strong tear bulk and a strong tear index — and sit between softwood and hardwood pulp in length and character.

It can therefore **replace hardwood pulp outright** , or be blended with softwood pulp to reduce the share of hardwood in the furnish.

FIBRE LENGTH & CHARACTER

Hardwood shorter fibre	Bamboo medium-long · high bulk	Softwood longer fibre
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UNBLEACHED GRADE

Natural fibre

Minimal processing · for kraft & wrapping paper



BLEACHED GRADE

High brightness

Brightness 84.5% · for household & cultural paper



Specifications & Grades.

PARAMETER	UNIT	UNBLEACHED	BLEACHED	TEST METHOD
Brightness	%	38.6	≥ 83	GB/T 7974
Tear index	mN·m²/g	≥ 6.00	≥ 4.00	GB/T 24323
Burst index	kPa·m²/g	≥ 2.50	≥ 8.50	GB/T 24324
Tensile index	N·m/g	≥ 40.0	—	GB/T 24325
Viscosity	ml/g	≥ 450	≥ 700	GB/T 1548
Ash content	%	≤ 1.0	≤ 1.00	GB/T 742
Moisture	%	10.0–20.0	10.0–20.0	GB/T 8944.1
Dirt count (0.3–0.99 mm²)	mm²/kg	≤ 140	≤ 50	GB/T 10740
Dirt count (1.0–4.99 mm²)	mm²/kg	≤ 80	≤ 30	GB/T 10740
Dirt (≥ 5 mm²)	mm²/kg	none	none	GB/T 10740
Drainability	°SR	45.0	15.0	GB/T 3332

Test conditions 23 ± 1 °C · 50 ± 2% RH · beating strength 45 °SR · copy-unit grammage 60 g/m² ·

Fibre Performance.

Thin, soft, medium-long fibres give bamboo kraft pulp high bulk and a strong tear index, with the natural properties of bamboo passing through into the finished paper.

1019_{ml/g}

Viscosity, unbleached

45.1_{N·m/g}

Tensile index, unbleached



Air permeability

Open, breathable fibre structure — ideal for soft tissue and breathable wrapping.



Instant water absorption

High capillarity draws moisture in quickly for strong wet performance.



Naturally antibacterial

Bamboo fibre carries a natural resistance to bacterial growth, retained through pulping.



UV resistance

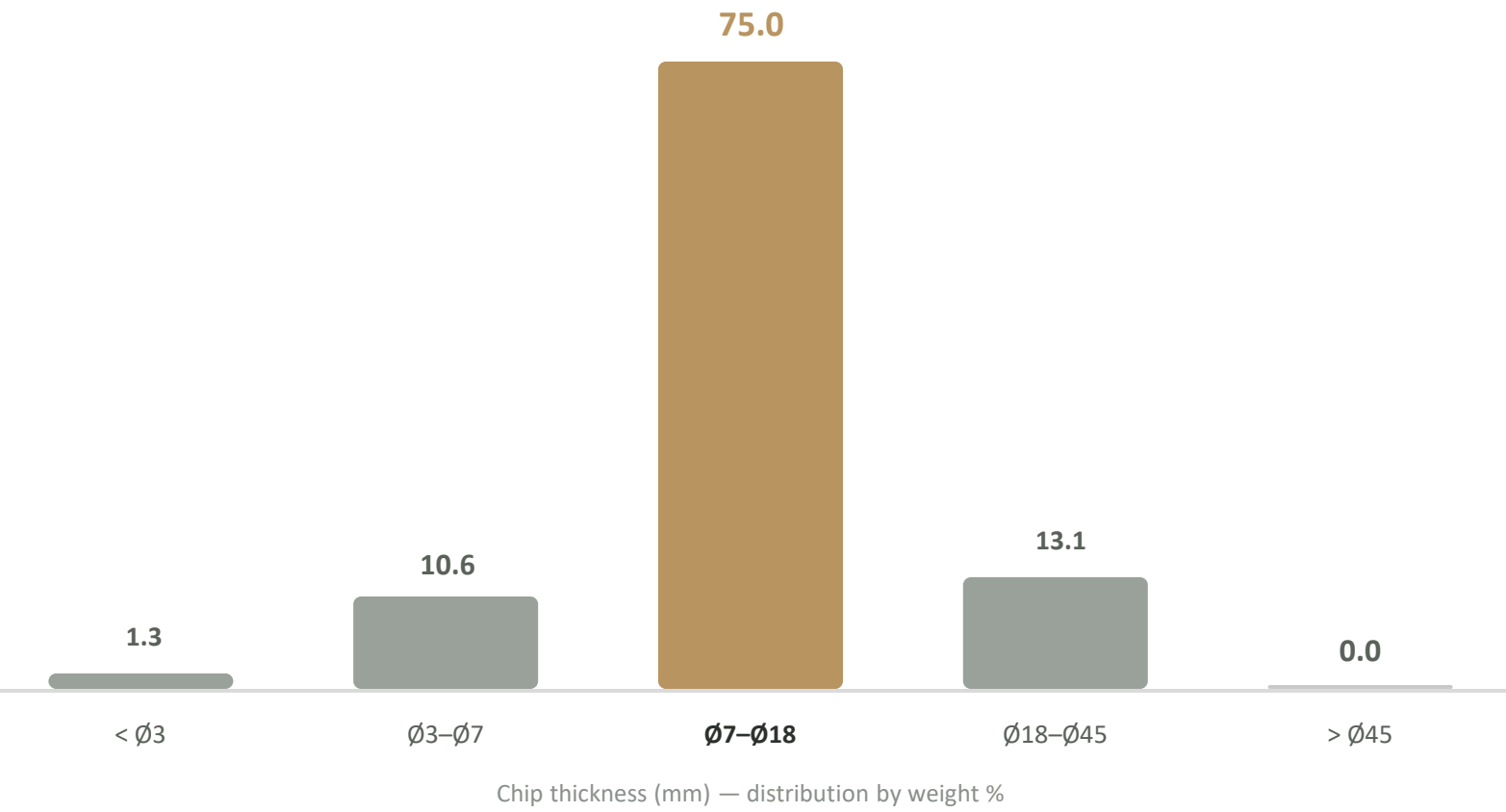
The dense fibre wall offers natural resistance to UV degradation in finished products.



Chip Quality & Silica.

Bamboo chip thickness distribution

Basic density 590 kg BD/m³ · chip weight 180 kg BD chips/m³



Ash & silica content by fibre source

FIBRE SOURCE	SiO ₂ (%)	ASH (%)
Pine	Traces	< 1
Birch	Traces	< 1
Bagasse	1.5–2	2–3
Kenaf	3–4	1.5–2.5
Bamboo	1.5–2	2–3

SILICA MANAGEMENT

Washing removes ~30% of free silica

Lime mud purge ~65% to balance

Equilibrium SiO₂ 650 mg/l in white liquor

Max kiln-input SiO₂ 2% wt

Bleached Mother Reel.

○ BLEACHED · HIGH BRIGHTNESS



► WIDE APPLICATIONS

Bleached bamboo & wood jumbo roll for commercial use (OEM / ODM), produced from 100% natural bamboo and wood pulp. High brightness for **premium toilet paper roll, facial tissue, kitchen towel, hand paper towel and napkin.**

► SPECIFICATION

Width	2800 mm (can be cut)
Production time	7–15 days
Layer	1 / 2 / 3 / 4 ply
Roll diameter	1000–1150 mm mm



Unbleached Mother Reel.

● UNBLEACHED · NATURAL TONE



► WIDE APPLICATIONS

Unbleached natural bamboo & wood jumbo roll for commercial use (OEM / ODM). Minimal processing keeps the **natural fibre tone** — for eco kraft tissue, toweling and natural-look hygiene paper.

► SPECIFICATION

Width	2800 mm (can be cut)
Production time	7–15 days
Layer	1 / 2 / 3 / 4 ply
Roll diameter	1000–1150 mm

Forms & Packaging.

Supplied as dry-lap sheeted pulp, compressed into bales, moisture-barrier wrapped and steel-strapped, then palletized for container shipment.

Form	Dry-lap sheets, baled
Moisture (sales weight)	10 %
Shipment	Palletized · FCL container



Wide Applications.

Bamboo kraft pulp is used to make medium- to high-grade papers — and can be run on its own or blended to reduce hardwood content.

01

Cultural & printing paper

Offset printing paper, typing paper and high-grade cultural papers. papers.

02

Household & sanitary paper

Soft, absorbent fibre for tissue and living-sanitary paper.

03

Wrapping & kraft paper

Strong tear index suits wrapping and packaging stock — especially the especially the unbleached grade.

04

Moulded products

Moulded-fibre tableware and protective packaging.



THANK YOU

Need more detail?

Original mill test reports, FSC chain-of-custody documentation and product samples are available on request — for both bleached and unbleached grades.

GET IN TOUCH

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