PACKAGING NATURE'S WAY

Nature-inspired. Technology-driven.

BAMBREW®

BAMBREW PLANT FIBER TECHNOLOGY PRIVATE LIMITED

WWW.BAMBREW.IN

[WHO WE ARE]

Bambrew is a deep-tech material science company building next-generation home-compostable and biodegradable high-barrier packaging materials.

- FOUNDED IN 2019 AT BENGALURU
- INR 200+ CR RAISED
- SERVING LEADING NATIONAL & GLOBAL BRANDS
- BUILT FOR SCALE, PERFORMANCE, AND REGULATORY READINESS
- 250 + CUSTOMERS SERVED

[OUR IMPACT AT SCALE]

- 75,000+ TONS OF PLASTIC REPLACED ANNUALLY
- UP TO 40% REDUCTION IN GHG EMISSIONS VS CONVENTIONAL PLASTIC STRUCTURES
- 135,000+ TONS OF CO2 EMISSIONS REDUCE



SOURCE: US EPA, SHAKTI FOUNDATION, USI.EDU

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HOW LARGE IS THE PLASTIC PROBLEM?

ENVIRONMENTAL HARM

The world adds about 430 million tons of plastic each year, damaging land and marine life.
70% of this is avoidable.

REGULATORY PRESSURE

Governments are increasingly implementing bans and taxes on single use plastics, creating compliance challenges for brands that fail to adapt.

HEALTH HAZARD

Plastics can leach harmful chemicals like BPA and phthalates into food, which are linked to serious health issues, including endocrine disruption and cancer.

BRAND REPUTATION

Brands that do not adopt sustainable packaging, risk damaging their reputation and losing market share to environmentally conscious consumers.

EXTENDED PRODUCER RESPONSIBILITY

EPR regulation is getting stricter and cost of compliance is on the brands.

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The Indian EXPRESS

Single-use plastic ban in India kicks in

Business Standard

No single-use plastic

There is no case for extending the deadline

ET THE ECONOMIC TIMES

CPCB directs e-commerce companies to phase out single use plastic

Outlook

Will A Nationwide Ban On Single-Use Plastic From July Kill The Polluting Monster?

ET THE ECONOMIC TIMES

Companies scramble for imported paper straws, ask govt to extend plastic ban deadline

ET Retail.com
From The Economic Times

Dubai implements green tariff on single-use plastic bags

FINANCIAL TIMES

South Korea's consumers force business to rethink plastic use

The Economist

Ever more countries are banning plastic bags

But the environmental impact of such measures is questionable

CNBC

Canada is banning single-use plastics, including grocery bags and straws

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OUR CORE SUSTAINABILITY PRINCIPLES

ENVIRONMENTAL IMPACT

All our products are meticulously designed to be completely free of plastic, with raw materials sourced responsibly to ensure minimal environmental impact.

COST EFFICIENCY

We value every dollar you spend, delivering eco-friendly products designed to minimize costs and maximize affordability for you.

FUNCTIONALITY

Cost-efficient and eco-friendly, our products match plastic-like performance, ensuring full functionality and product integrity without compromise.

SCALABILITY

Designed with abundant indigenous materials for scale, compatible with existing plastic infrastructure, enabling a seamless, low-cost transition to sustainable packaging.

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OUR INNOVATION IN META MATERIALS

SUSTAINABLE • FUNCTIONAL • ECONOMICAL • SCALABLE

Delivers ~18–20% lower GHG emissions vs. conventional plastics. Certified for home and industrial composting, enabling controlled end-of-life. Reduces persistent plastic waste while supporting regulatory compliance and brand sustainability commitments.

Engineered to match conventional plastic performance across sealing, flexibility, and strength. Enables 40–60% plastic reduction while maintaining machinability, durability, and shelf-life ensuring no compromise on application efficiency or product protection.

Designed to achieve near parity at per-piece cost through down gauging and optimized material usage. ~30% material reduction lowers logistics and handling costs, delivering a competitive total cost without significant pricing premiums.

Built for rapid industrial adoption with stable raw material supply chains and converter-ready formulations. Proven runnability across diverse SKUs enables multi-application deployment, supporting high-volume production without operational disruption or dependence on niche infrastructure.

“BIOPHIL”


ENVIRONMENT FRIENDLY


SEE THROUGH


HIGH BARRIER PROPERTIES


OIL RESISTANCE


HEAT SEALABLE


REFRIGERABLE


PRINTABLE SURFACE

“PAPER”


ENVIRONMENT FRIENDLY


HIGH PERFORMANCE


PRINTABLE SURFACE


BETTER PRODUCTIVITY


HIGH WEIGHT CARRYING CAPACITY

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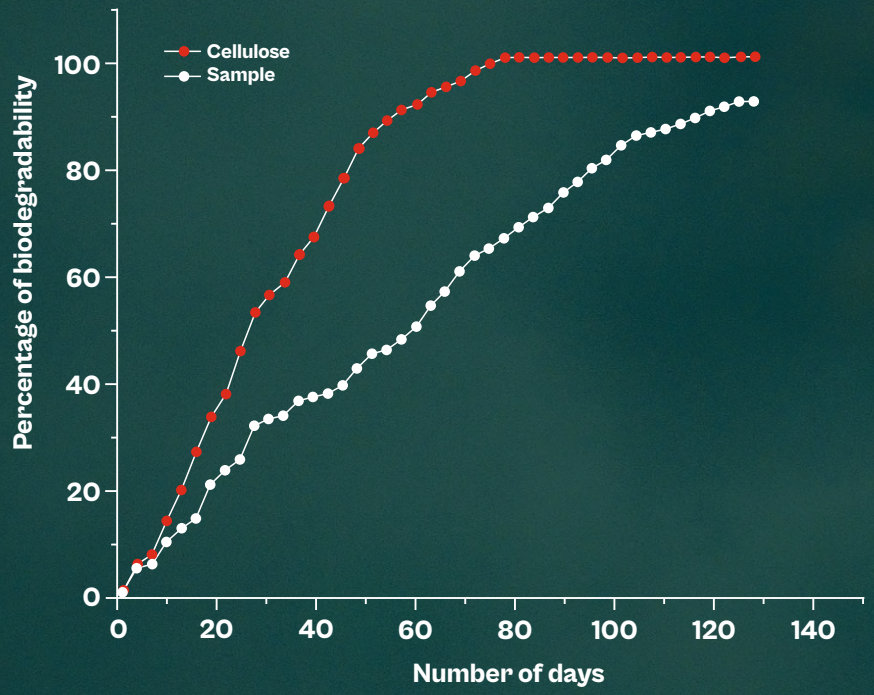
THE BIO DEGRADATION



AFTER 12 WEEKS



BEFORE



AFTER

PERCENTAGE BIODEGRADATION RELATIVE TO POSITIVE RESPONSE	
Mean (%)	92.22
The reference material cellulose (%)	100

CIPET सि पे ट
probe • perform • practice • Plastics

CPCB

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OUR INNOVATION IN BIOPHIL™



BIOPRIME™

- Blown extruded high transparent film
- Home and Industrial compostable
- Used for lamination or as a single-layer application
- Excellent mechanical properties
- Sealable and printable
- Best for food, fashion, cosmetics, and toiletries





BIOCORE™

- Low transparent extruded high transparent film
- Home and Industrial compostable
- Cost efficient & suitable fro moderate strength requirements
- Sealable and printable
- Best for Sleeves, Carry bags & Garbage Bags

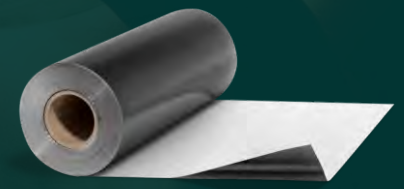




BIOBASIC™

- Medium clarity (Translucent) extruded blown film
- Home and Industrial compostable
- Sealable and printable
- Cost efficient
- Best for femcare, Baby care, and FMCG masterbags





BIODUO™

- Coextrusion Dual colour blown film
- Home and industrial compostable
- Used as a single layer application
- Best for fashion, e-com, and accessories



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VARIOUS APPLICATIONS AND USE-CASES



MAILER BAG



GARMENT BAG



SLEEVES & POUCHES



AUTO COMPONENT



GARBAGE BAG



ELECTRONICS & ELECTRICAL PARTS

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VARIOUS APPLICATIONS AND USE-CASES



BABY CARE PACKAGING



FEM CARE PACKAGING



PUJA ESSENTIALS



DAIRY PACKAGING



SECONDARY PACKAGING
(SNACKS/NAMKEEN/BAKED FOODS)



BREAD PACKAGING

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VARIOUS APPLICATIONS AND USE-CASES



SLEEVES FOR LUGGAGE



SLEEVES FOR UTENSILS



F&V PACKAGING

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OUR INNOVATION
REINFORCED PAPER™



MAILER BAG
(E COMMERCE)



CARRY BAG
(RETAIL)



CORRUGATION
(E COMMERCE)

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COMPETITIVE ANALYSIS - RIGHT TO WIN
(MATERIAL: BIOPHIL)

PROPERTIES / MATERIAL	BIOPHIL	PLA (CORN STARCH)	SEAWEED	PAPER
Cost Effective	✓	✗	✗	✓
18+ Months of Shelf Life	✓	✗	✗	✓
OTR (Oxygen Transmission Rate) Property	✓	◐	✗	✗
WVTR (Water Vapour Transmission Rate) Property	✓	◐	✗	✗
Hydrophobic	✓	✓	✗	✗
Home Compostable / Biodegradable	✓	✗	✓	✓
Bio Based	✓	✓	✓	✓
Scalable	✓	✓	✗	✓

YES | NO | PARTIAL

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RIGHT TO WIN
WHY CUSTOMER CHOOSE US

MANAGEMENT

PROCUREMENT

Enables cost stability through ~30% material reduction and reduced exposure to fossil-based price volatility. Supports strategic sourcing with sustainable alternatives, improving supplier resilience and delivering 3–8% overall cost optimization at scale.

SUPPLY CHAIN

Drives 20–30% logistics cost savings via lightweighting and reduced material movement. Improves warehouse efficiency and load optimization while ensuring seamless integration into existing operations, no disruption to throughput, service levels, or delivery timelines.

SUSTAINABILITY

Delivers ~18–20% lower GHG emissions and certified compostable end-of-life. Strengthens ESG performance with measurable impact on waste reduction and carbon footprint, enabling audit-ready reporting and improved compliance with global sustainability regulations.

MARKETING

Enables strong, credible sustainability storytelling with measurable impact (GHG reduction, compostability). Supports premium positioning and differentiation, driving 3–7% brand preference uplift and improved customer acquisition, while reducing risk of green washing through verifiable claims

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PATENTS AND CERTIFICATIONS

PATENT GRANTED FOR THE "REINFORCED PAPER"

PATENT APPLIED FOR "BIOPHIL"

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

CERTIFYING BODY:

ISO 9001:2000 SGS
CIPET सि पे ट
probe • perform • practice • Plastics
CPCB

CERTIFIED FOR:

FDA
FTIR
ISO
IS/ISO 17088

UNDER CERTIFICATION FROM:

OK compost | TÜV AUSTRIA | INDUSTRIAL S0077
European standard EN13432

HOME | OK compost | TÜV AUSTRIA | HOME S0077
Home Composting

SOIL | OK bio-degradable | TÜV AUSTRIA | SOIL S0077
Soil biodegradability

COMPOSTABLE
American Standard ASTM 6400

European Standard EN 13432
Australian standard AS 4736

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AWARDS & ACCOLADES

INDIA AUSTRALIA CIRCULAR ECONOMY
I-ACE HACKATHON - 2020

Winner Of India Australia Hackathon

MISK GLOBAL FORUM
منتدى مسك العالمي

Top 10m Global Companies Awarded By Misk Global Forum, Saudi Arabia

Coca-Cola India

Awarded As The Most Promising Start-up In Sustainability By Coca-cola India

Entrepreneur
STARTUP AWARDS 2023

Clean Tech Startup Of The Year Award 2023

National Bamboo Mission

Proud Advisor To Bamboo Sector Development, Govt Of India

zomato
Plastic-Free Orders
PACKATHON

Proud Winner Of Zomato's Packathon Challenge

MUMBAI CLIMATE WEEK

Proud Winner Of Mumbai Climate Week Innovation Challenge 2026

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FACTORY



BANGALORE

MATERIAL RESEARCH CENTER





BANGALORE

DISTRIBUTION HUBS





BANGALORE, HYDERABAD, DELHI AND MUMBAI

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Thank You

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Nature-inspired. Technology-driven.

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