



Proviva

Sustainable Alternatives

Certified Compostable Packaging

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About Proviva

Welcome to Proviva, where innovation meets sustainability. Since our inception in 2020, we have been dedicated to providing non-toxic alternatives to traditional plastics using next-generation plant-based biopolymers. Our passion drives us to seek innovative custom solutions for our customers, that not only meet the needs of today but also preserve the environment for future generations.

Our Mission

To reduce environmental impact of plastics through our eco-friendly solutions, designed to foster a circular economy and drive the shift towards responsible consumption.

Our Vision

To lead the transformation towards sustainable future by designing and manufacturing innovative compostable products that serve as alternatives to conventional plastics.

"Pro" = for. "Viva" = Life

Certified Compostable Packaging

Non-toxic alternatives derived from renewable sources like lactic acid, starch, algae, bio-waste, cellulose. Degrade within 180 days into compost to yield CO₂, water, inorganic compounds, and biomass in accordance with ISO 17088.



Why Choose Proviva

- **Certified :** By accredited institutions CPCB & CIPET.
- **Sturdy and Reliable:** Built to withstand weight.
- **Customizable:** As per size, purpose and color.
- **Brand Value:** Develops a sustainable brand image.
- **Legal:** Not under plastic ban. No minimum micron.
- **Plant Based:** Reduces carbon footprint & fossil fuel dependency.
- **Eco-friendly:** Non-toxic and safe for environment.
- **Cost-effective:** Number of pieces per kg higher than regular plastic.



Comparison Chart (No of Pcs/ Kg) *

Size	Compostable Bags	Plastic Bags 120 µm	Paper Bags	Non-Woven Bags	Jute Bags	Cotton Bags
8"x10"	248	91	55	80	45	75
9"x13"	170	63	40	75	30	50
13"x16"	82	35	20	30	15	30
16"x20"	47	23	15	20	10	18
20"x26"	29	14	8	13	7	12
24"x28"	18	11	7	8	5	9

* No of pcs vary as per customization

Product Portfolio



Sleeve/ Pouch

Size: 9" to 30" width

Micron: 20 to 100

Customization: Color, Size, Printing

Industry: Industrial Packing, Quick/
E-Commerce, Electronics Packing,
Retail, HORECA



Carry & Shopping Bag

Size: 9" to 30" width

Micron: 20 to 100

Customization: Color, Size, Printing

Applications: Retail, HORECA, Office,
Residential, Events



Grocery Bag

Size: 8"x10", 10"x14", 11"x19"

Micron: 20 to 100

Customization: Color, Size, Printing

Industry: Retail

Product Portfolio



Garbage Bag/ Bin Liner

Size: 17"x19", 19"x21", 20"x24", 24"x28"

Micron: 25 to 50

Customization: Color, Size, Printing

Applications: Retail, HORECA, Office, Residential, Events, Healthcare



Nursery Bag

Size: 8"x12"

Micron: 50

Customization: Color, Size, Printing

Industry: Agriculture, Horticulture



Fresh Produce Bag

Size: 8"x10", 10"x12", 12"x15"

Micron: 20 to 35

Customization: Color, Size, Printing

Industry: Retail

Product Portfolio



Apparel/ Garment Bag

Size: 9"x11"+2, 10"x12"+2, 11"x14"+2,

Micron: 20 to 30

Customization: Color, Size, Printing

Applications: Textile, Fashion



Temper Proof Courier Bag

Size: 10"x12"+2, 12"x16"+2

Micron: 50

Customization: Color, Size, Printing

Industry: E-commerce, Courier



Pet Poop Bag

Size: 9"x12"

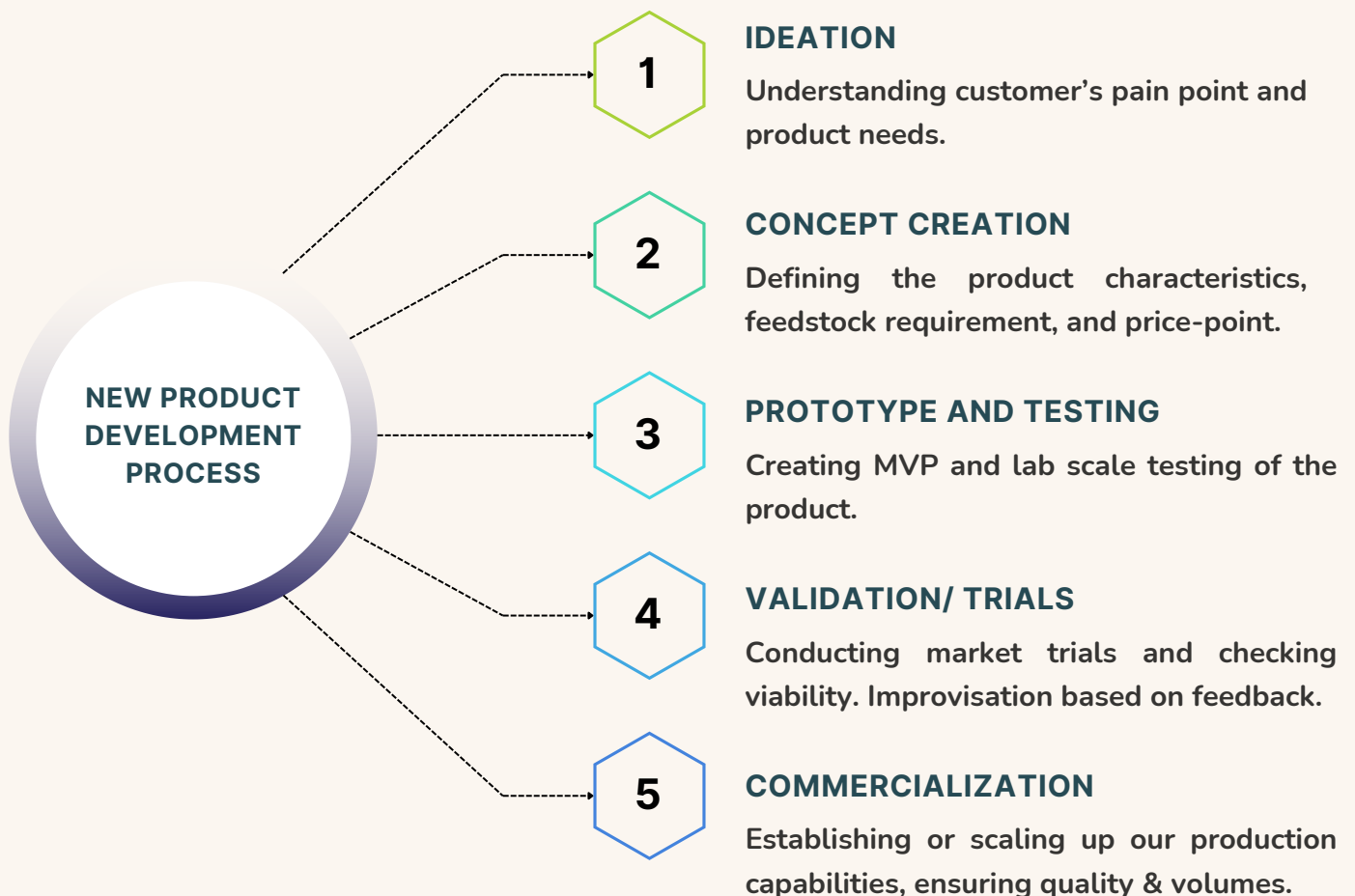
Micron: 25

Customization: Color, Size, Printing

Industry: Retail

New Product Development

At Proviva, we constantly strive to embrace new challenges, and support our clients in pushing the boundaries of innovation. Our team is dedicated to understanding and addressing your specific needs, ensuring that our solutions are perfectly aligned with your objectives.



Market Opportunity

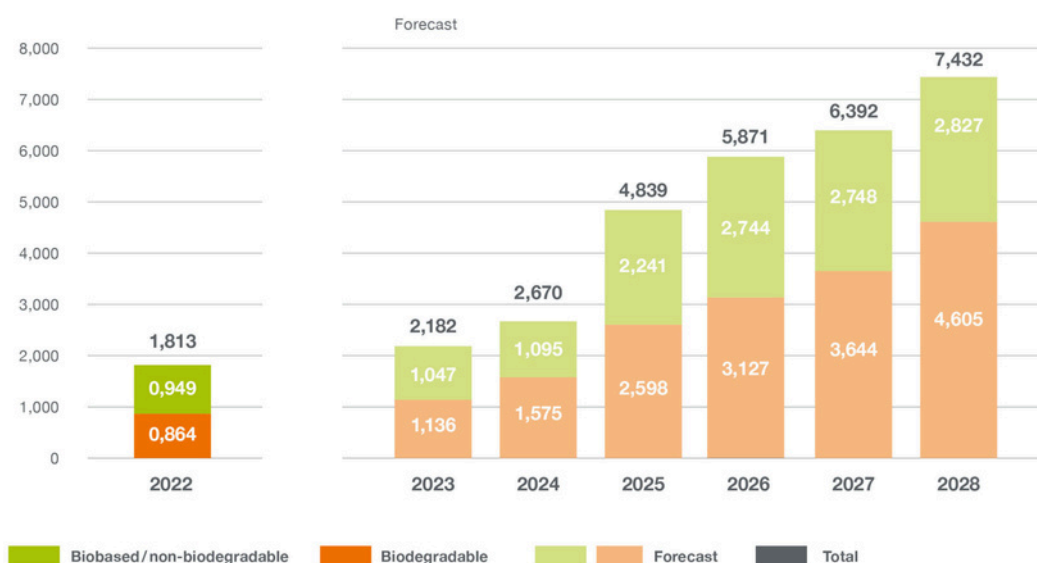
The global bioplastics market size was valued at USD 7.49 billion in 2023 and is projected to grow at a CAGR of 29.0%

Bioplastics are used for an increasing variety of applications, ranging from packaging and consumer products to electronics, automotive, and textiles. Global bioplastics production capacity is set to increase significantly from around 2.18 million tonnes in 2023 to approximately 7.43 million tonnes in 2028.

India Bio Plastics Market size was valued at USD 447.25 Mn in 2023 and the India Bio Plastics Market revenue is expected to reach USD 1809.51 Mn by 2030, at a CAGR of 22.1 % over the forecast period.

Global production capacities of bioplastics

in 1,000 tonnes



Source: European Bioplastics, nova-Institute (2023)

Frequently Asked Questions

01 Can compostable bioplastics replace conventional plastics?

Bioplastics plastics offer the same properties as conventional plastics while also providing the distinct benefit of reducing reliance on fossil resources. Compostable products enhance end-of-life management options as organic recycling becomes a viable end-of-life alternative.

02 Are bioplastics truly compostable?

Confusion around bioplastics is well justified. There are different types of biopolymers such as PLA, PHA, PBAT, TPS, bio-PE, bio-PP, etc. Bioplastics can be biobased or fossil based; compostable and non-compostable. At Proviva, we use a blend of biobased and fossil based biopolymers, which completely turn into compost within 180 days.

03 Are bioplastics allowed under plastic ban/ regulation?

As per Central Pollution Control Board (CPCB) guideline, bioplastic products sold in India have to be certified as per ISO 17088 international standard which conducts Disintegration, Aerobic Biodegradation, Compost Testing and Heavy Metal Analysis tests. Once certified, the products should bear manufacturer details, and are allowed to be sold without any minimum micron regulation.

04 Why are bioplastics more expensive than traditional plastics?

Research and development costs continue to account for a portion of the investment in bioplastics, influencing material and product prices. However, there are several examples of cost competitive bioplastic materials and products. For instance, price per unit is lower for products like compostable bags due to minimum micron regulation.



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Let's get in touch

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