

Sustainability Partner of



भारत 2023 INDIA



Recommended by



NITI Aayog



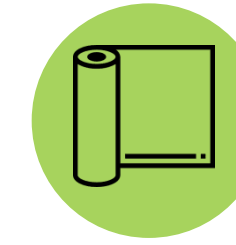
Single Use Plastics

Single Use Plastics are goods that are made primarily from fossil fuel-based chemicals (petrochemicals) and are meant to be disposed off immediately after use, most often after few hours.

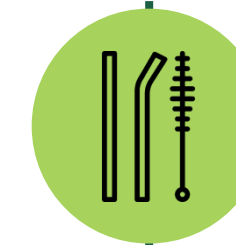
Single use plastics are most commonly used for packaging.



Bottles



Wrappers



Straws



Bags



Garbage Bag



Surgical Gloves



Cutlery



About 5 trillion plastic bags are used worldwide annually and only 1% of them goes to recycling

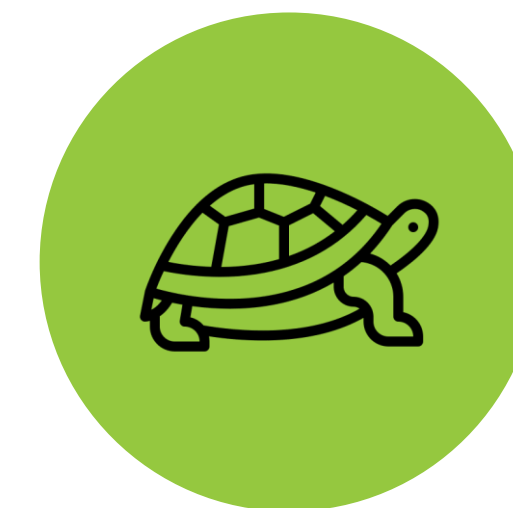


400
Million tonnes

Plastic waste produced Yearly. It will be doubled by 2034.



88%
Of Sea Surface
is already Polluted



100%
Of Sea Baby Turtles
Contains Plastic in their
stomach

By 2050

There could be more plastic than fish in the world's oceans.

One garbage truck of plastic is dumped into our oceans every single minute.



11 KM

Deep Inside Earth

Plastic has been found as far as 11km deep, contaminating the most remote places on Earth



15 Min

Avg. Usage

A plastic bag is used on average for 15 minutes.



95%

Of Adults

Have levels of BPA in their Urine.

Plague of Plastic



Whale found dead with 22kg Plastic in Italy (2019)



Marine life endangered by SUP

90% of seabirds have plastic in their stomachs



Great Pacific Garbage Patch

Great Pacific Garbage Patch: There is an Island of Trash Twice the Size of Texas floating in the Ocean

Contains approx. 79,000 tons of plastic – Measuring about 620,000 miles²



Plastics don't really break down; they just break up.

Over time, sun and heat slowly turn plastics into smaller and smaller pieces until they eventually become what are known as micro-plastics.

Impact of plastic on Economy, Humans & Environment



Economy

Tourism, Fisheries, Agriculture



Humans

Food Chain & Water Sources
Contamination, Toxic Fumes If
Burned, Drainage Blockages




Environment

Loss Of Bio Diversity, Land Pollution,
Ocean Pollution

Microplastics found in human breast milk. Here's what mothers should avoid

1 min read • 09 Oct 2022, 07:52 PM IST

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Breast milk samples were taken from 34 healthy mothers
Microplastics were detected in 75% of them

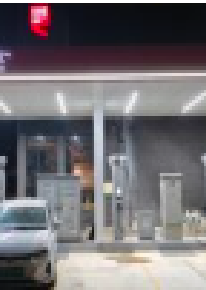


on: A



Smog towers ineffective, pollution control body tells green tribunal

NEW DELHI The Delhi Pollution Control Committee (DPCC)...



markable...

Microplastics in human blood, breast milk, placenta worry medical fraternity

News > Microplastics in human blood, breast milk, placenta worry medical fraternity

'Plastic air pollution': Microplastics in clouds could be exacerbating climate change, study says



By Euronews Green

Published on 29/09/2023 - 13:57 • Updated 10/10/2023 - 10:01



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Comments

The presence of tiny plastics in clouds risks the contamination of 'everything we eat and drink', researchers say.

Science

Rocks Made of Plastic Found on Hawaiian Beach

New class of stones may become part of the fossil record

4 JUN 2014 · BY [ANGUS CHEN](#)



Brazilian researchers find 'terrifying' plastic rocks on remote island

Melted plastic has become intertwined with rocks on the island of Trindade

March 18, 2023 03:55 pm | Updated 03:55 pm IST

REUTERS

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Recycled by Nature

Ecolastic presents an Innovative, Starch-based 100% Compostable Bioplastics





Ecolastic Products Pvt Ltd ("Ecolastic") is an Indian bio-plastics manufacturing company established in **Jan-2020** to innovate, design, develop & manufacture differentiated compostable bio-plastic products, through strong in-house R&D team



Collaboration with **DRDO** (Defence Research & Development Organization), Govt. of India, in developing compostable products



Ecolastic's compostable bio-plastic products is recognized by NITI Aayog, Govt. of India, as an alternative to Single Use Plastic. Only company in India



Ecolastic is the official "**Sustainability Partner**" of G20 Summit 2023, India. Only compostable manufacturing company

Our Innovation

Ecolastic indigenously developed an alternative to plastics that are currently used for Single Use Applications

How is it made ?



Corn



Corn Starch



**(Thermoplastic) Melt Processible
Natural Polymer Granules**

What happens at the End Of Life?

- On composting, converts into Biomass, Water and CO₂
- Goes back to the Nature
- Typical time to compost is 80-180 days.

The Life Cycle of Compostable Plastics



Nature is the Most Trusted Recycling Partner!

Product Features



Spectrum of Products

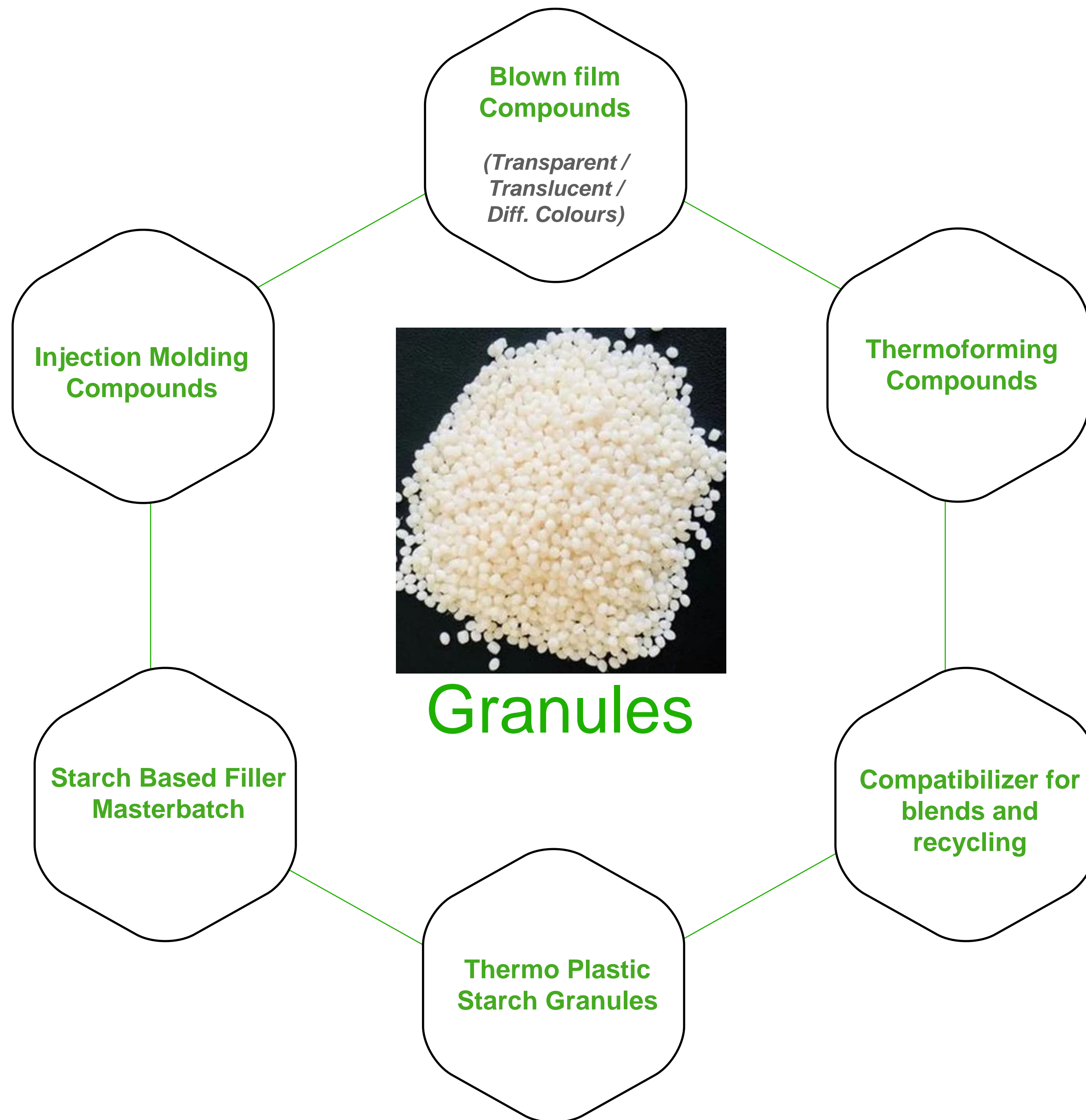


• Wide variety of compostable film products:

- ✓ *Carry bags*
- ✓ *Garbage bags*
- ✓ *Grocery bags*
- ✓ *Fruit & Veg bags*
- ✓ *Pouches*
- ✓ *Biohazard waste bags*
- ✓ *Courier Bags*
- ✓ *Garment bags*
- ✓ *Plant grow bags*
- ✓ *Agri Mulch Films*
- ✓ *Gloves*
- ✓ *Head caps*
- ✓ *Industrial packaging films*

- Available in different colours
- Colour Printing with heavy metal-free inks
- Different sizes as per requirement

Spectrum of Products



- Granules:
 - ✓ *Blow Film extrusion*
 - ✓ *Thermo forming*
 - ✓ *Injection Molding*
 - ✓ *Starch based Filler Masterbatch*
 - ✓ *Thermo Plastic Starch*
- Packed in 25 kg sealed bags

Product Features



100% Compostable



Plastic Free



Made from 100% plant-based food-grade materials



Test Anywhere! Anytime!



No Trees

Bio Compostable Bags



Printable In Multiple Colors

Can be printed in Single, Two Color & Four Color options



Available In Multiple Colors

You can get bags in various color options along with Transparent ones.



Various Sizes

You can get our bags in numerous sizes - Standard size to customized sizes



Multiple Thickness

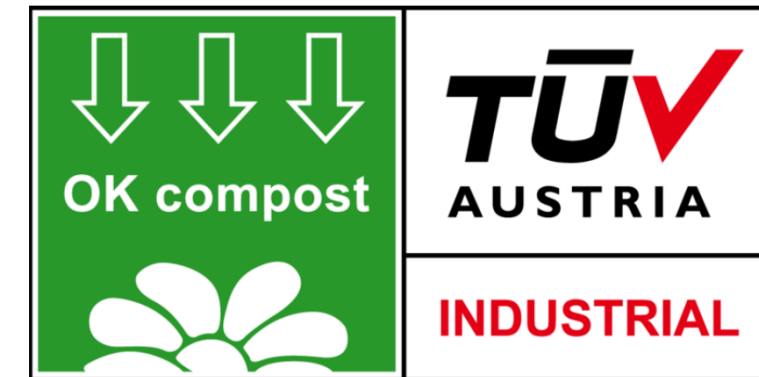
According to your needs we can provide in various thickness options - Ranges from 40 Micron to 120 Micron.



Certifications & Standards



EN 13432



ASTM D6400



IS/ISO 17088



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Collaboration with



Research & Development

Ecolastic is committed and making significant investments towards Research & Development of eco-friendly and competitive green products

Research Associations



Cellulose

High Barrier



Paper Coating



Natural Fiber



Transparent Films

In-house product development capabilities

Highly qualified research scientists

Joint development projects with large scale global customers

Association / Joint development programs with premier institutes

Prestigious Clients



Srisailam Temple – Lord Shiva



Tirupati Temple – Lord Balaji



Vijayawada Temple – Devi Kanakadurga



Govt of Telangana – Dept of Fisheries



Singareni Collieries Co. Ltd



DRDO



Reserve Bank of India



Awards & Accolades



International Achievers Conference Awards 2024



Green India Award 2023



Biodegradable Excellence Award 2024



Leaders of Tomorrow Awards 2023 organized by Economic Times



SME Business Award 2023



Circular Economy Awards 2023



Biodegradable Excellence Award 2023



It's a New Beginning of an Organic Era

Thank You

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