



COMPOSITE
BIODEGRADABLE
PRODUCT

**Leading company
in BIODEGRADABLE material
research and production**



NINGBO ECODAK NEW MATERIAL CO., LTD



ABOUT US

COMPANY PROFILE

EcoDak, established in 2004, harnesses the extensive product and technological expertise of its parent company, Ningbo Yikeda New Materials Co., Ltd., to elevate biodegradable solutions to an international standard. We are dedicated to producing innovative biodegradable products, specializing in fillers, integrated materials, and color masterbatches. Our products have passed SGS certification and have earned several prestigious awards such as "Municipal High-tech Products," "Science and Technology Progress Award," and "High-tech Transformation Projects."

Our commitment to quality and sustainability is further demonstrated by our certifications: the "China Environmental Labeling" certification in 2006, the ISO9001 quality system certification in 2009, and the "OK Compost" certification by TÜV Austria in 2020. In 2017, in collaboration with renowned academicians and professors from top universities, we made significant strides in applying biodegradable materials in the water treatment field.

With a robust global supply chain supported by our parent company's years of experience, EcoDak ensures the highest standards of production and innovation. Our mission is to lead the development of sustainable products, reducing plastic pollution and contributing to a healthier planet through advanced biodegradable technologies.

Join EcoDak on our journey towards a sustainable future, where every product reflects our commitment to environmental stewardship and global eco-friendly practices.



MOLD BAG SERIES

Flat Garbage Bags

Specifications	Thickness (mm)	Unit Weight	Maximum Load Capacity(KG)	Color	Packaging
300*200 0.015	0.02	3	2	Transparent	20pieces/rolls,3rolls/bag
400*300 0.018	0.025	7.5	3	Transparent	15pieces/rolls,4rolls/bag
Customizable	/	/	/	/	/



Medical Waste Bags

Specifications	Thickness (mm)	Unit Weight	Maximum Load Capacity(KG)	Color	Packaging
480*(380+90*2)	0.025	16.8	3	Yellow	100pieces/bundle,1000pieces/carton
550*(400+90*2)	0.025	20	5	Yellow	50pieces/bundle,1000pieces/carton
720*(430+100*2)	0.03	28.4	8	Yellow	50pieces/bundle,1000pieces/carton
Customizable	/	/	/	/	/



Drawstring Garbage Bags

Specifications	Thickness (mm)	Unit Weight	Maximum Load Capacity(KG)	Color	Packaging
300*400 0.020	0.02	3	2	White	100/rolls
400*500 0.025	0.025	7.5	3	White	30/rolls,4rolls/bag
Customizable	/	/	/	/	/



Ziplock Bags

Specifications	Thickness (mm)	Unit Weight	Maximum Load Capacity(KG)	Color	Packaging
250*350+40 0.035	0.035	7.8	3	Transparent	30/bag
320*480+40 0.035	0.035	13.5	4	Transparent	50/box
Customizable	/	/	/	/	/



Protective Poly Bags

Specifications	Thickness (mm)	Unit Weight	Maximum Load Capacity(KG)	Color	Packaging
250*350+40 0.035	0.035	7.8	3	Transparent	100/bundle,2000pieces/carton
320*480+40 0.035	0.035	13.5	4	Transparent	50/bundle 1000
Customizable	/	/	/	/	/



Cling Film

Specifications	Thickness (mm)	Color	Packaging
30cm*30m	0.02	Transparent	24 rolls/carton 36x24x31
Customizable	/	/	/



Courier Bags

Specifications	Thickness (mm)	Unit Weight	Maximum Load Capacity(KG)	Color	Packaging
180*280+40	0.05	7.5	1	Black	50pieces/bundle,2000pieces/carton
250*350+40	0.05	12	2	Black	50pieces/bundle,2000pieces/carton
320*480+40	0.05	21.5	3	Black	50pieces/bundle,1000pieces/carton
Customizable	/	/	/	/	/



Vest Bags

Specifications	Thickness (mm)	Unit Weight	Maximum Load Capacity(KG)	Color	Packaging
280*(180+50*2)	0.02	3.5	2	White	100pieces/bundle,5000pieces/carton
350*(220+60*2)	0.02	5.3	2	White	50pieces/bundle,4000pieces/carton
420*(280+70*2)	0.025	9.7	3	White	50pieces/bundle,2000pieces/carton
520*(340+80*2)	0.025	14.3	5	White	50pieces/bundle,1200pieces/carton
Customizable	/	/	/	/	/





PET FILM BAG AND
ACCESSORIES SERIES

Fully Biodegradable Pet Waste Bags



Photodegradable Pet Waste Bags



Waste Bag Dispenser



Dog Leash with Dispenser



Cat Litter Scoop with Dispenser



Pooper Scooper with Dispenser





COMPARATIVE ADVANTAGES

Feature	Composition	Degradation Method	Degradation Time	Regulatory Compliance	Market Trend
Fully Biodegradable Materials	✓ PBAT, PLA, and starch composite	✓ Fully degrades in natural environments	✓ Several months to one year	✓ Environmentally friendly and policy-supported	✓ Rapidly growing
Photodegradable Materials	✗ Plastics with phot-sensitizers	✗ Requires sunlight exposure	✗ Several months to years	✗ Accepted in some regions	✗ Gradually decreasing
Conventional Plastic Materials	✗ Polyethylene, Polypropylene, etc	✗ Difficult to degrade naturally	✗ Decades to centuries	✗ Increasingly banned	✗ Facing replacement



FULLY BIODEGRADABLE COMPOSTABLE FILM

Single-Layer Application Series:

Features: High transparency, strong heat sealability, high temperature resistance, high barrier with low oxygen permeability, strong tensile strength.

Applicable Products: Heat shrink film, protective film, clothing and textile packaging, disposable product packaging, food and daily necessities packaging, paper pulp lunch box film.



Multi-Layer Composite Series:

Features: Fresh-keeping with low oxygen permeability and high moisture permeability, high oxygen and moisture barrier, strong tensile strength, high temperature resistance.

Applicable Products: Food packaging, daily necessities packaging, frozen fresh-keeping packaging, fruit and vegetable packaging, vacuum packaging, textured vacuum bags, parchment paper sealing bags, fast food sealing lids, high barrier chip and coffee packaging, postal courier bags, air column bags, industrial material packaging, etc.



Our fully biodegradable packaging is made from composite materials such as PBAT, PLA, and starch. These materials are not only completely biodegradable but also meet environmental standards. Whether used for daily waste disposal or commercial purposes, our packaging can safely degrade in natural environments, reducing environmental pollution and protecting the Earth's ecosystem.





DEGRADABLE VACUUM TEXTURED BAGS

Features: Puncture-resistant, freezer-safe, strong sealability
Applicable Products: Raw food, meat, fruits and vegetables, electronic product packaging, etc.



Fully Biodegradable Heat Shrink Film

Features: Semi-transparent, fully transparent effects, rapid heat shrinkage, waterproof, dustproof, anti-oxidation

Applicable Products: Books, beverage cans, personal care products, boxed electronic products, pharmaceutical bottles, health product packaging envelopes, etc.



Fully Biodegradable Compostable Packing Tape Series

Applicable Products: Plant-based fully degradable packing tape, high tensile strength and high-temperature resistant fully degradable modified packing tape



Fully Biodegradable Composite Transparent Bags

Features: High clarity, high transparency

Applicable Products: Printed packaging bags, automatic packaging film, windowed packaging boxes, windowed envelopes, etc.





YB905796

4" x 4" 96x90x57mm

500 pieces/carton
1120 carton/HC



YB9057135

5" x 4" 135x90x57mm

500 pieces/carton
1120 carton/HC



YB9057154

6" x 4" 154x90x57mm

500 pieces/carton
1120 carton/HC



YB9057180

7" x 4" 180x90x57mm

500 pieces/carton
1120 carton/HC



YB9057235

9" x 4" 235x90x57mm

500 pieces/carton
1120 carton/HC





YB9057100

4" x 4" 100x90x57mm

500 pieces/carton
1120 carton/HC



YB9057100

4" x 4" 100x90x57mm

500 pieces/carton
1120 carton/HC



Yb905890

4" x 4" 90x90x58mm

500 pieces/carton
1120 carton/HC



YB905895

4" x 4" 95x90x58mm

500 pieces/carton
1120 carton/HC



YB9058120

5" x 4" 120x90x58mm

500 pieces/carton
1120 carton/HC



YB925592

4" x 4" 92x92x55mm

500 pieces/carton
1120 carton/HC



YB9258109

4" x 4" 109x92x58mm

500 pieces/carton
1120 carton/HC



YB9862120

5" x 4" 120x98x62mm

500 pieces/carton
1120 carton/HC





PLA Degradable Straws

Diameter: Customizable
Length: Customizable

Material: Polylactic Acid (PLA) Degradable
Applications: Tea Shops, Restaurants, Supermarkets, etc.



Fully Degradable Sugarcane Pulp Straws

Diameter: Customizable
Length: Customizable

Material: Polylactic Acid (PLA) Degradable
Applications: Tea Shops, Restaurants, Supermarkets, etc.



PLA Heat-Resistant Degradable Straws

Diameter: Customizable
Length: Customizable

Material: Polylactic Acid (PLA) Degradable
Applications: Tea Shops, Restaurants, Supermarkets, etc.



PLA Degradable Coconut Shell Cutlery

Diameter: Customizable
Length: Customizable

Material: Polylactic Acid (PLA) Degradable
Applications: Tea Shops, Restaurants, Supermarkets, etc.



PLA Fully Degradable Plant-Based Cutlery

Diameter: Customizable
Length: Customizable

Material: Polylactic Acid (PLA) Degradable
Applications: Tea Shops, Restaurants, Supermarkets, etc.



PLA Degradable Disposable Cutlery

Diameter: Customizable
Length: Customizable

Material: Polylactic Acid (PLA) Degradable
Applications: Tea Shops, Restaurants, Supermarkets, etc.





TAKEAWAY BOX



YG22515520
 9" x 6" 225x155x20mm
 500 pieces/carton
 1120 carton/HC



YG24017020
 9" x 7" 240x170x20mm
 500 pieces/carton
 1120 carton/HC



YG24516520
 9" x 7" 245x165x20mm
 500 pieces/carton
 1120 carton/HC



YP1359522
 5" x 4" 135x95x22mm
 500 pieces/carton
 1120 carton/HC



YP13513520
 5" x 5" 135x135x20mm
 500 pieces/carton
 1120 carton/HC



YP14510520
 6" x 4" 145x105x20mm
 500 pieces/carton
 1120 carton/HC



YP1559520
 6" x 4" 155x95x20mm
 500 pieces/carton
 1120 carton/HC



YP1859522
 7" x 4" 185x95x22mm
 500 pieces/carton
 1120 carton/HC



YP11511522
 7" x 5" 185x115x22mm
 500 pieces/carton
 1120 carton/HC



YH19512045
 8" x 5" 195x120x45mm
 500 pieces/carton
 1120 carton/HC



YH21513050
 8" x 5" 215x130x50mm
 500 pieces/carton
 1120 carton/HC



YH22013055
 9" x 5" 220x130x55mm
 500 pieces/carton
 1120 carton/HC



YH23514050
 9" x 6" 235x140x50mm
 500 pieces/carton
 1120 carton/HC



YH23514060
 9" x 6" 235x140x60mm
 500 pieces/carton
 1120 carton/HC



YH22015045
 10" x 4" 245x105x45mm
 500 pieces/carton
 1120 carton/HC



YW1209090
 6" x 5" 150x120x80mm
 500 pieces/carton
 1120 carton/HC



YW15012060
 6" x 5" 150x120x100mm
 500 pieces/carton
 1120 carton/HC



YW17513080
 7" x 5" 175x130x80mm
 500 pieces/carton
 1120 carton/HC



YW175130100
 7" x 5" 175x130x100mm
 500 pieces/carton
 1120 carton/HC