

ECOPLAZ™ Products

What is ECOPLAZ™?

ECOPLAZ™ is a brand solely reserved for Enaxus (THAILAND) Co., Ltd. ECOPLAZ™ has a variety of Environmentally Degradable Plastic (EDP) Products. The company is located in Bangkok, THAILAND. We are concerned about global warming and ecological deterioration. This is partly caused by an extremely high increase in using non-degradable plastic products because these products cannot be decomposed in the nature. They become toxic garbage and exist at least 450 years. Our ECOPLAZ™ products are completely compostable in the nature within 6 to 12 months after disposal or the end of shelf life.

Why should we use ECOPLAZ™ products?

ECOPLAZ™ products are produced by using Environmentally Degradable Plastic (EDP) technology. EDP products are food-grade, non-toxic, and naturally decomposed without any toxicant residues. Our products are of high quality, and good price.

What ECOPLAZ™ products do we have?

We have two product categories: ECOPLAZ™ Disposable Products, and ECOPLAZ™ Durable Products.

ECOPLAZ™ Disposable Products:

- ✚ Pouch & Shopping bags, Waste & Sanitary bags, Straws & Dining utensil, Food containers (Box/ Bowl/Plate/ Tray/ Cup and so on).
- ✚ Shelf Life: 3-4 years in ambient temperature.
- ✚ Non-toxic
- ✚ Food-grade. Waste & Sanitary bags are not food-grade.
- ✚ Straws & Dining utensil, and Food containers are microwavable up to 142 °C.
- ✚ Freezable to -40 °C.
- ✚ Pouch & Shopping bags, and Waste & Sanitary bags are completely composted within 6 months after disposable or the end of shelf life. Straws & Dining utensil, and Food containers are completely composted within 12 months after disposal or the end of shelf life. The degradation period varies with different factors: humidity, temperature, oxygen, acidity, and alkalinity.
- ✚ Both Predefined, and Custom-made products

ECOPLAZ™ Durable Products:

- ✚ Toys, Furniture products.
- ✚ Shelf Life: 5 years, with exposure to sunlight. 10 years, without exposure to sunlight.
- ✚ Completely composted within 12 months after the end of shelf life. The degradation period varies with different factors: humidity, temperature, oxygen, acidity, and alkalinity.
- ✚ Custom-made products

Photos showing degradation of ECOPLAZ™ products



1 Month



2 Months



3 Months



4 Months



5 Months



6 Months

How do we prove Environmental Degradation, and Non-toxicity of ECOPLAZ™ products?

You can easily prove Environmental Degradation, and Non-toxicity of ECOPLAZ™ products by simply burning them, and observe the following results:

1. No black smoke
2. No bad smell
3. After burning, it becomes an ash which is eatable and non-toxic

What certificates does ECOPLAZ™ achieve?

We have achieved certificates as follows:

1. FDA (Food and Drug Administration)
 - Complies with the FDA Specification for polypropylene
 - Complies with the FDA Specification for polyethylene used in articles that contact food
2. US CONEG Model Toxics in Packaging Registration
3. EC: European Parliament and Council directive 94/62/EC (with amendment 2004/12/EC) on packaging and packaging waste
4. ASTM D5208

[SGS China]

ASTM D5208 “Standard Practice for Operating Florescent (UV) and Condensation Apparatus for Exposure of Photodegradable Plastics”
5. ASTM G53

[SGS China]

ASTM G53 “Practice for Operating Light and Water-Exposure Apparatus (Fluorescent UV/Condensation Type) for Exposure of Nonmetallic Materials”
6. ASTM G154
7. ASTM D3826

[SGS Thailand]

ASTM D3826 “Standard Practice for Determining Degradation End Point in Degradable Polyethylene and Polypropylene Using a Tensile Test”
8. RoHs Directive 2002/95/EC
9. ISO 9002
10. ISO 14001

Are there any other degradable plastic products? How do ECOPLAZ™ products differ from others?

Yes, there are other degradable plastic products, say PLA, and Oxo-degradable plastic. PLA is very good, non-toxic, but it is very costly. Oxo-degradable plastic is good, but it contains chemical substance which causes plastic degradation. However, it is toxic to human body.

Our ECOPLAZ™ products are naturally degraded, non-toxic, yet reasonably priced.

Are there any drawbacks on ECOPLAZ™ products?

1. Unable to the transparent products.
2. Slightly heavier than non-degradable ones.

***Should you have any questions or concern,
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