

SKYLUX[®]

Biodegradable Plastics



SKYLUX[®] Biodegradable Plastics

What are Biodegradable Plastics ?

- Biodegradable plastics are plastics that can be decomposed by the action of living organisms, usually microbes, into water, carbon dioxide, and biomass. Biodegradable plastics are commonly produced with renewable raw materials, micro-organisms, petrochemicals, or combinations of all three.
- While the words "bioplastic" and "biodegradable plastic" are similar, they are not synonymous. Not all bioplastics (plastics derived partly or entirely from biomass) are biodegradable.

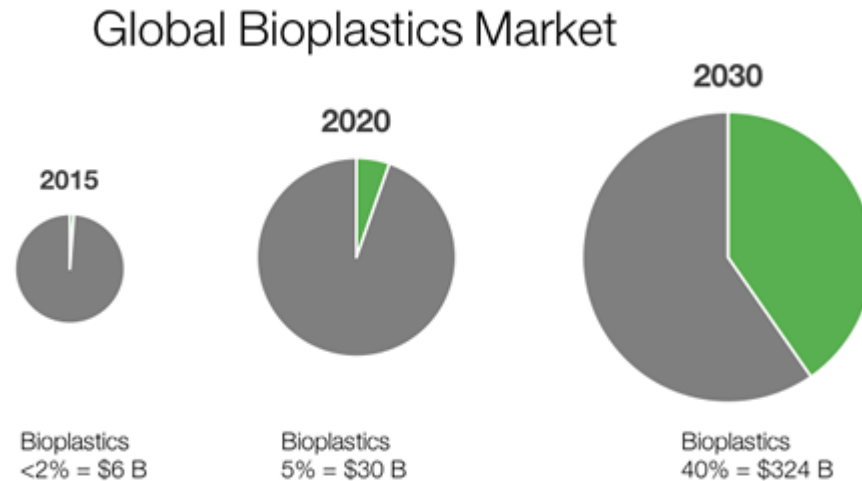
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What are Biodegradable Plastics

- Bio-Based or Bio-Sourced means that the product has been made from a biological (living) or renewable source, such as corn or sugar cane.
- Bio-Degradable means the product may be broken down by other living organisms, such as bacteria, that exist in nature.
- Being bio-based does not mean a material is bio-degradable. Being bio-degradable does not mean a material is bio-based.

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What is biodegradable plastics market ?



¹Source: Grand View Research 2014, European Bioplastics 2013, BCC Research 2017, Nexant Inc. 2012

²<https://www.alliedmarketresearch.com/press-release/bioplastics-market.html>

The Global Biodegradable Plastics Market will grow by US\$3.98 bn during 2020-2024, according to Technavio

SKYLUX® Biodegradable Plastics

Does SKYLUX® Biodegradable Plastics derived entirely ?

- Yes ! SKYLUX® Biodegradable Plastics* meets following industrial compost requirements : (*LNT series)

ASTM D6400 Test to certify if a product can be composted

EN 13432 European test to determine biodegradability of plastics.

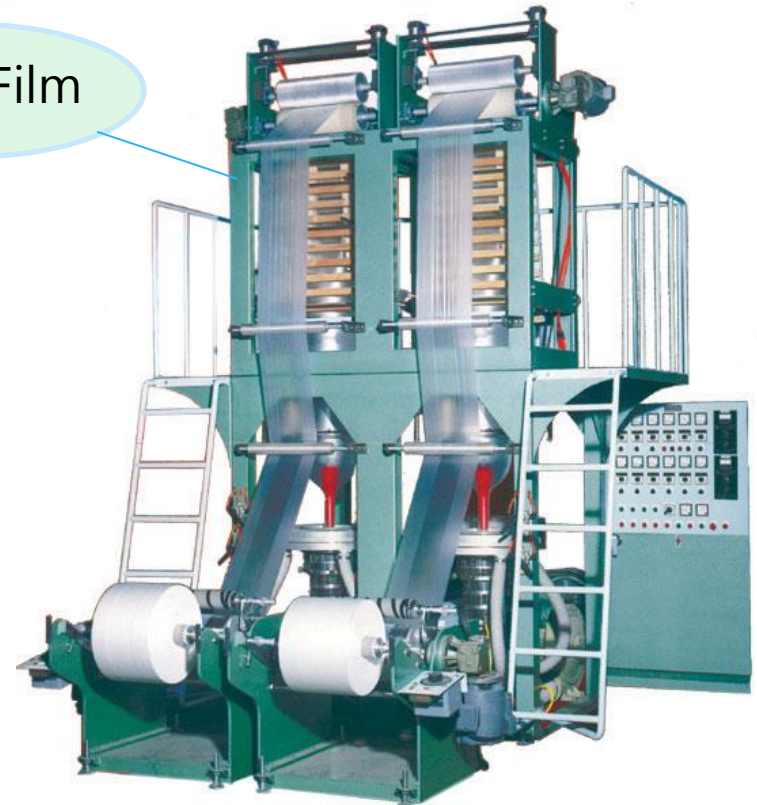
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SKYLUX[®] biodegradable plastic are compatible with traditional manufacturing processes, i.g. extrusion & blow filming.



Extrusion Straw

Blow Film



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Injection Molding



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SKYLUX[®] Biodegradable Grades

Grade No.	Melt Flow (g/10min)	Processing Type	Applications
LNT3502D	4	Blow film	Packaging film
LNT3051	4	Extrusion	Disposal straw
LNT3540	23	Injection Molding	Disposal forks, knives, cups, containers
LNT3560	8	Injection Molding	Disposal fork & knife, containers
LNT3580	60	Injection Molding	Disposal forks, knives, cups containers
PLN4510	17	Injection Molding	Toys, Consumer goods

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Innovative, Eco-Friendly,
Sustainability



Let's Protect the Earth Together



VICTAMAX

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