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EB PACKAGING

SDN BHD (Co. No. : 351886U)

Oxo-Biodegradable Plastics



 Reliability  Professional  Quality

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Introduction

Plastic bag, plastic bottle and plastic wrap - are example of plastic products that make life easy for us. However, these plastic products do not break down naturally. Therefore, the trend of biodegradable started in the recent years with the objective to decrease greenhouse emission.

Oxo-biodegradable plastic are mixture of conventional plastic with pro-oxidant additive (1% to 5%), designed to control and manage the lifetime of the plastic products. Oxo-biodegradable plastic degrade at the end of the product shelf life, breaking it down to smaller fragment call micro-plastic. The micro-plastic are then further break-down by microorganisms into carbon dioxide, water and biomass.

Advantages and Application of Oxo-Biodegradable Plastics

Advantages	Application
<ul style="list-style-type: none"> • Performances Similar with conventional plastics • Controlled lifetime Can be customised by manipulating the amount of additive added. • Processability Similar processing compared to normal plastics. • Cost Cost effective than other degradable and biodegradable products. • Degradable and biodegradable • Non-toxic Safe for food contact applications. 	<ul style="list-style-type: none"> • Agricultural Offer an environmentally sustainable which need to be removed after use • Packaging Bags, films, bottles, containers and film products. • Cushioning Foam, air bubble wrap, coatings and label tapes. • Food service items Cutlery, containers and food packaging.



Comparisons between Conventional and Oxo-Biodegradable plastics

	Conventional	Oxo-Biodegradable
Composition	Fossil-based	Fossil-based with pro-oxidant additive
Production Process	Blow or Cast Extrusion	Similar with conventional
Characteristics	Controllable, by adding different types of additives	Controllable, by adding different types of additives
Lifetime	Unlimited	Controllable, depends on how much additives added. Usually 12months

Pre-Stretch Film

Eco-Lite Film is an Edge Folder Pre-stretch film that stretch to its ultimate break point prior to its final use. No extra energy require to stretch this film during apply. Both side of the film folded during pre-stretch process can create an extra strength force that increase the pallet stability. The folded edge create superior roping effect and reduce waste due to damaged rolls cause by rolls dropped on the floor.

Stretch Film Application

For optimal application, stretch film must stretched near to its ultimate break point in order to create a stiff film to hold a shifting load.



Pallet Stretch Film :

Multi layer casted stretch film produce by European machine to ensure top quality products.

We produce special stretch film :

- Colour Stretch Film
- Anti Static Pink Stretch Film
- Anti Rust Stretch Film
- Printed Stretch Film

BDO MasterWrap BDO ELITE Wrap

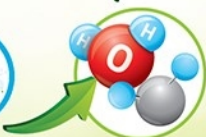


Products can be used, reused, and recycled.



Degradation triggered by heat, uv light and / or mechanical stress.

Oxo-Biodegradable Plastics Process



Photosynthesis



Return to Nature



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