



Green Plastic

Supreme
Your Packaging Partner

Fully Compostable Material 全生物降解材料



Full compostable material: PBAT + PLA material
全生物降解材料: PBAT + PLA 材料

Advantage 优点

- Full Biodegradable material can be used for planting and return to natural cycle.
• 经堆肥后的全生物降解材料可以用作种植，回归自然。
- Microorganisms (such as bacteria or fungi) absorb the macromolecules as food and utilize them to furl their metabolic processes.
• 微生物（如细菌或真菌）吸收降解物作为食物。
- The end products breakdown completely into carbon dioxide, water, inorganic compounds and incorporate into the natural cycle.
• 产品完全降解成为二氧化碳、水和无机化合物。最终进入自然循环系统。



PBAT - Certificate Standard 认证标准



By awarding both the OK compost and the Seedling logo, TÜV holders have a way to give their compostable products recognition throughout the entire market.

通过授予OK堆肥和苗木标识，TÜV持有人可以在整个市场中获得可堆肥产品的认可。

Europe 欧洲: EN13432

United States 美国: ASTM 6400

Australia 澳洲: AS 4736



Bio-based Material 生物基材料 (非石化)



Green PE (produced by Braskem) is made by the ethanol from sugarcane which is renewable. It helps to reduce the greenhouse gases emissions and preserve the environment.

Green PE (由Braskem公司生产) 是由甘蔗中的乙醇制成，并非一般石化原料制造的塑料。可以再生，同时有助于减少温室气体排放并保护环境。

Advantage 优点

- Planting of sugar cane can absorb Co₂.
- 种植甘蔗可以吸收二氧化碳。
- 1Kg of Green PE could reduce ~3kg of Co₂ emission that mitigates the greenhouse effect.
- 1Kg的Green PE可减少约3kg的二氧化碳排放，减轻温室效应。



Carbon Emission 碳排放比较	Normal Plastic 石化由来聚乙烯	Green Plastic 绿色聚乙烯
Resin Production 原料母粒制造时	1.47kg	1.35kg
Burning 塑料产品燃烧时	3.10kg	0kg (#1)
Total 合计	4.57kg	1.35kg

Remarks: (#1) Planting of sugarcane can absorb Co₂ that will offset the Co₂ generated from burning.
备注: (#1) 绿色聚乙烯于甘蔗成长时所吸收的二氧化碳量能与其燃烧时所排的二氧化碳量达到中和效果。

When products contain the requested % of Green PE and could get the authorization, below trademark could be used.

当产品达到要求百份比的 Green PE 含量，并通过授权后，可以使用以下标签。



I'm green

Content 12%
含量达到12%

Content 60%
含量达到60%

Oxo-biodegradable Additive

氧化式可生物降解添加剂



d2w is a low cost and biodegradable additive.

Plastic breaks down when it exposed to heat or sunlight under aerobic condition. Reduce pollution.

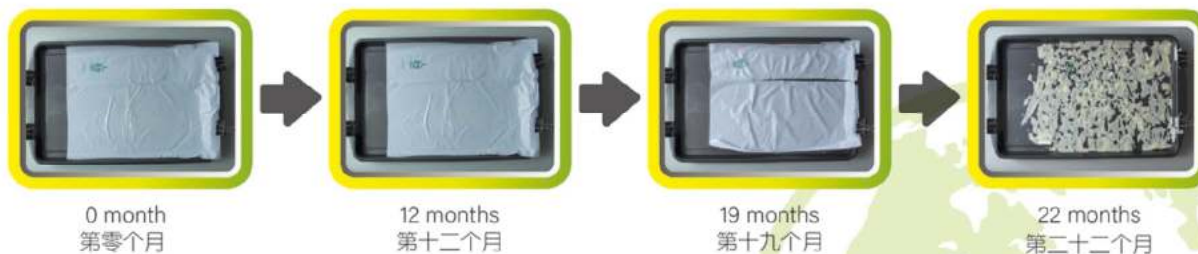
d2w是一种低成本同时具备分解功能的生物降解添加剂。

在有氧环境并暴露于高温或阳光下时，塑料会发生降解，减少污染。

Advantage 优点

- d2w improves the excellent properties of normal plastic by controlling and reducing its lifespan and therefore making it more acceptable.
- 使用d2w添加剂可以加速分解一般塑料，缩短其寿命。
- Can be re-used and recycled in the same way as normal plastic.
- 可以像普通塑料一样重复使用和回收。
- No change in performance and optical properties of the normal plastic product.
- 与普通塑料产品的特性和光学性能相同。
- Low cost, because products made with d2w comprise more than 99% normal polymer and are made with the same machines.
- 低成本。 d2w用量只占产品原料比例不多于1%。

Standards :The following standards are used for testing products containing d2w	标准: d2w成份可以用以下标准进行测试
British Standard BS 8472	英国 BS 8472
American ASTM D6954	美国 ASTM D6954
United Arab Emirates Standard 5009:2009	阿拉伯联合酋长国 5009:2009
French Accord T51-808	法国 ACCORD T51-808



Hong Kong Office 香港办公室:

Supreme Development Company Limited 超然制品厂有限公司

Unit E&F, 14/F, Block 2, Vigor Industrial Building, 49-53 Ta Chuen Ping Street, Kwai Chung, N.T., Hong Kong

香港新界葵涌打砖坪街49-53号华基工业大厦第二期14楼E&F室

Telephone: 852-2428 4428 Fax: 852-2489 1228

Shenzhen office 深圳办公室:

Supreme Development Plastic Packaging (Shenzhen) Co., Ltd. 超然塑料包装制品(深圳)有限公司

1/F,2/F&A Zone of 3/F, Unit 2TM1, 2nd Industrial Area of Industrial Corp.,

TianLiao Estate, GongMing Town, GuangMing District, Shenzhen

深圳市光明新区公明办事处 田寮小区工业总公司

田寮第二工业区2TM1号一楼、二楼、三楼A区

Telephone: (86) 0755-2719 7222 Fax: (86) 0755-2719 7778



Website: <http://www.supremebags.com/>

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