



NAN YA PLASTICS CORP.



Biodegradable Polyester

Cradle to Cradle

Environmentally-Friendly Apparel Solution



People Threw Away >12,000 KT Clothes per Year

It Make Extreme Impact to Environment





Where Are the Used Clothes Going ?

99% of Used Garments Eventually Landfilled After 3 Cycles



Reused 1



15% reused
85% landfill

Reused 2



7% reused
8% landfill

Reused 3

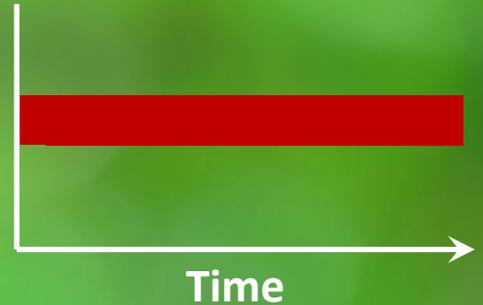


1% reused
6% landfill



Complete Degradation Is at Least 450 Years

Cut Down Degradation Time Is Imperative





Mechanism of Biodegradation

Aerobic Degradation & Anaerobic Degradation

Biodegraded under **Compost**

Biodegraded under **Landfill**

Require Specific
Temp. & Humidity

Fabrics Can be Cared For
in Their Usual Manner

Worse Physical Properties

Keep the Same
Properties as Virgin
Polyester

**Aerobic
Degradation**

**Anaerobic
Degradation**

Such as PLA, APEXA

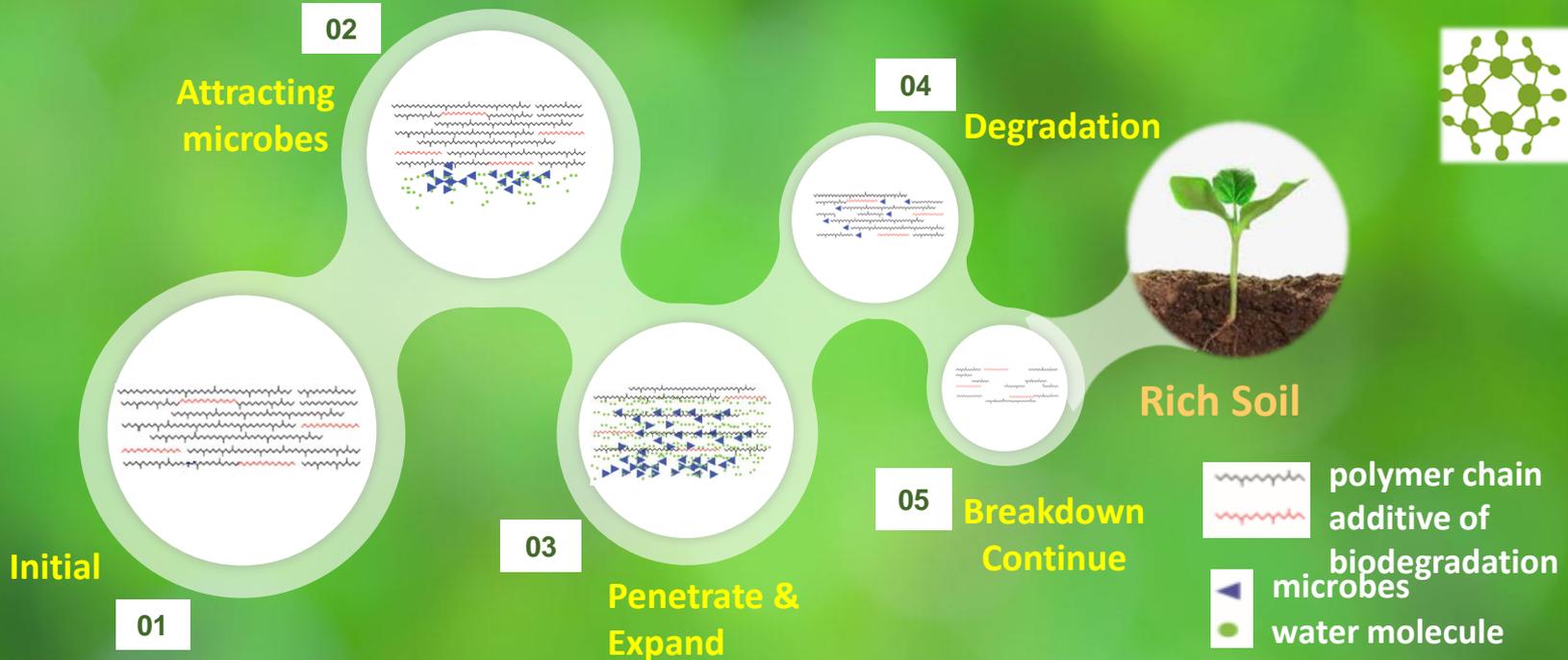


Such as **GREENONE**



GREENONE How to Biodegrade ?

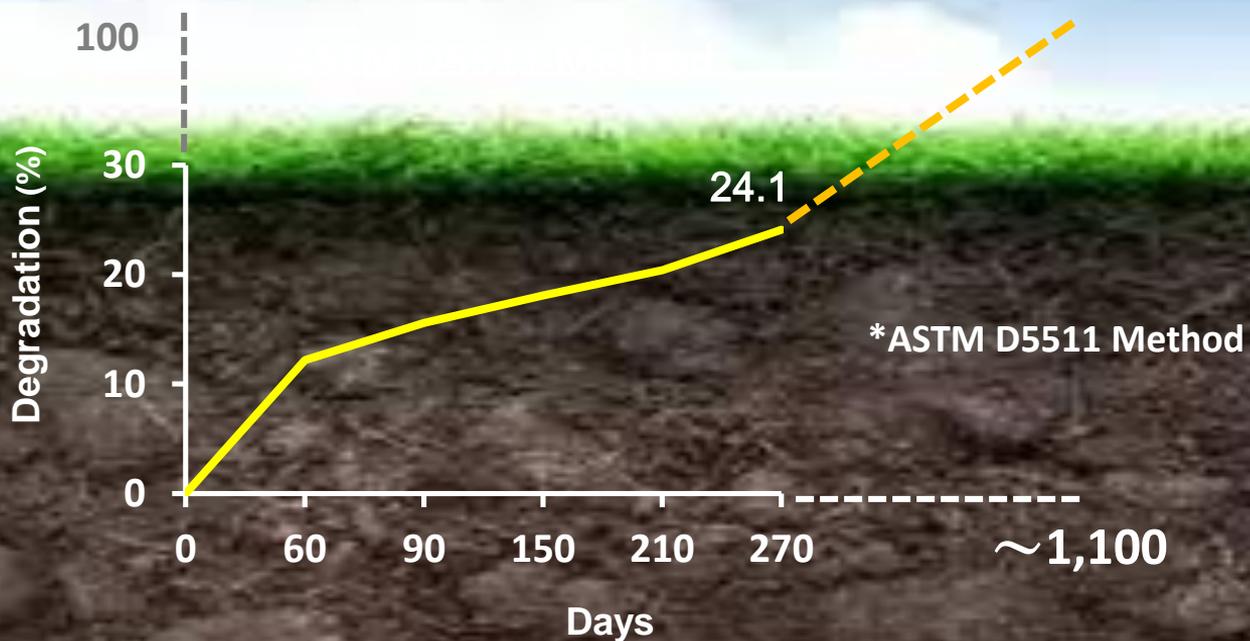
GREENONE Contains Organic Additives
Which Enhance the Biodegradation





Degradation Performance of GREENONE

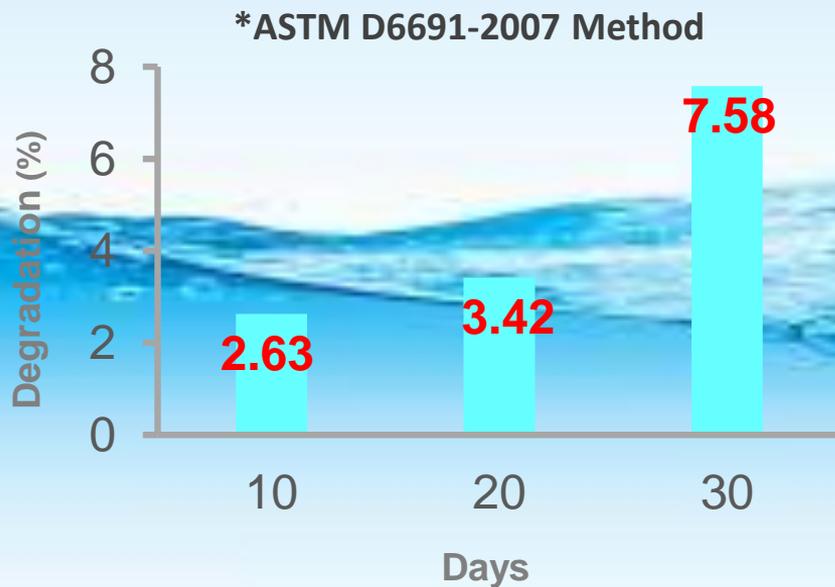
BIODEGRADATION UNDER LANDFILL @ 264 DAYS





Degradation Performance of GREENONE

BIODEGRADATION IN THE OCEAN @ 30 DAYS





Combine with Other Sustainability Technology



**Virgin
GREENONE**

**Cradle to Cradle
Biodegradable
Polyester**



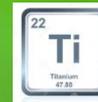
**Recycled
GREENONE**

**Biodegradable with
Post-consumer
Recycled Polyester**



**Bio-base
GREENONE**

**Biodegradable with
30% Renewably
Sourced—Bio MEG**

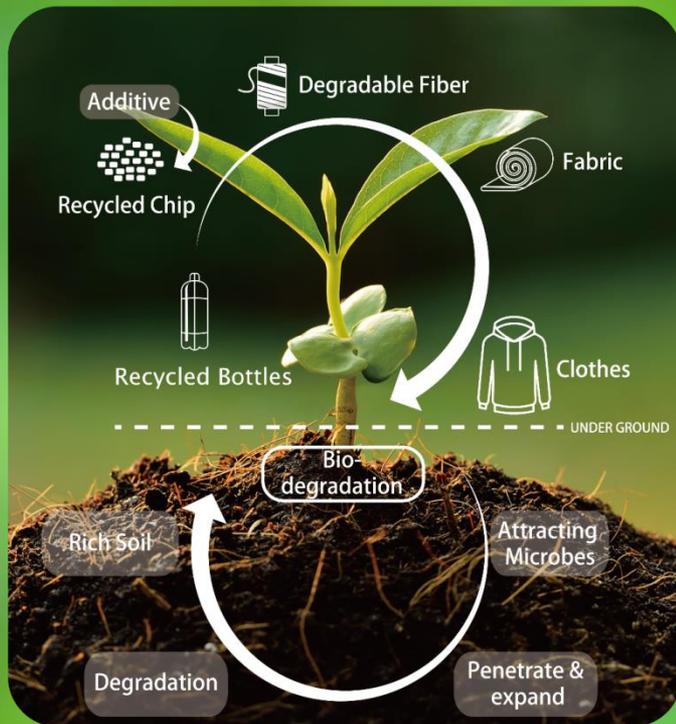


**Heavy Metal Free
GREENONE**

**Biodegradable with
Patent License
Catalyst--Titanium**



GREENONE CONTINUE GOING GREEN WITH YOU



Contact Us

Eric Huang

erichuang@npc.com.tw

www.npc.com.tw