

TCOQ-X[®]

**Nanotechnology Degradable
ECO-Pellet Plastic Polymer**



TCOQ-X

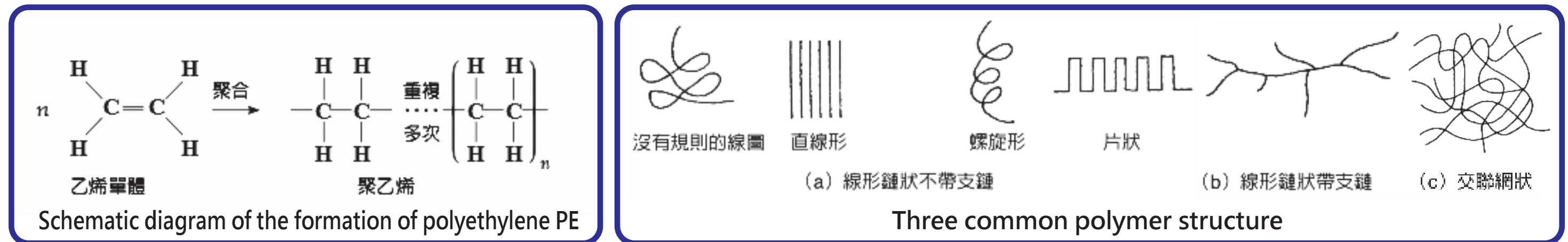
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TCOQ-X IS 100% NATURALLY DECOMPOSABLE



TCOQ-X is an ECO-Friendly Plastic Additives

The advent of plastic products, give us a lot of convenience on manufacturing consumer products, the singularity easy processing, practical, lightweight and low cost characteristics has been widely used in our modern life, at the same time, it also leads to plasticthe impact of waste on the environment and pollution is getting worse to the point that are unbearable for our envirmment.



Biolysis product is light sensitive, influece by light and naural environment, therefore, the decomposition process is more thorough.

Non-toxic, harmless, non-plasticizing!!



Add 40% TCoQ-X Buried Decomposition

TCOQ-X Comparison Chart w/other ECO additives

PLA = Plant biochemical degradation

In addition to material being expensive, degradation conditions - need to go through bacterial culture grazed (certain Temperature and humidity to simulate outdoor agricultural organic compost, cultivate bacteria to survive graze to reach degradation, But later found the process makes soil fertile and starting to produce an extensive amount of marsh gas **(25% Methane CH₄)** And had become the biggest culprit to polluting our environment.

d2w = Oxidative degradation

Example: It is said that containers with d2w added products was ship from Vietnam to United Kingdom, and upon arrival, the entire batch of products disintegrated Oxo-biodegradable product offers too short of shelf life, and produce **heavy metal after degradation**

TCOQ-X No pollution, economical price cost, bares all the material characteristic of plastics, yet lacks all the polluting factor gives **confidence & peace of mind for love ones to applie our daily usage of plastic products!**

Properties of TCOQ-X

Trade Name	TCOQ-X		
Component	Mixed PE, Coupling Agent, Nano CaCO3 TCoQ-X core material		
Characteristic	Non-toxic		
Appearance	Granular		
Color	Off-White		
Fusing Point	130°C		
Physical	Type of Test	Unit	Value
Specific Gravity	ASTM D1505	g/cm ³	1.6
MFR	ASTM D1238	150°C	12
Black spot rate	LJ-1201	Pc/10克	0
Grain Size	-	mm	3~5
Water ratio	-	%	0.2
PH level	6.9		

TCOQ-X Applies to all types of plastics products, 15~80% mixing ratio



TCOQ-X complies to food grade safety test standards



Advantages of TCOQ-X

- GOOD QUALITY
- FAST DELIVERY
- COMPETITIVE PRICING
- ECO-FRIENDLY PRODUCTS
- REDUCE USAGE OF PLASTIC
- NO MORE PLASTICIZER!



APPLICATION OF

TCOQ-X

ITEM TYPE

1. Plastic Bag
2. Plastic Molded Bottle
3. Garbage Bag
4. Styropor Cups & Bowls
5. Nylon Injection products
6. PE, OPS Molded Foam
7. TPU Artificial Leather, Film

APPLIED METHOD

- HDPE 60% + TCoQ- X 40%
- HDPE 70% + TCoQ- X 30%
- HDPE 40% + LLDPE 10% + TCoQ- X 50%
- PP 50% + TCoQ- X 50%
- Nylon 50% + TCoQ- X 50%
- PE, OPS 60% + TCoQ- X 40%
- TPU 65% + TCoQ- X 35%



TCOQ-X CERTIFICATES

- ★ SHANGHAI'S **SGS** LAB BIODEGRADABLE STANDARD
- ISO14855'S BIODEGRADABLE STANDARD
- TIS 656-2529 FOOD PACKAGING REQUIREMENTS
- ★ ISO14855, TIS656-2529, CNS12221, ASTM E662 (2001) & FAR 25.853(1998), FTIR & TGA INSPECTION
- ★ **NO DIOXIN, 8 MAJOR METALLIC COMPOUNDS**
- ★ COMPLY WITH EU RoHS ENVIRONMENTAL STANDARDS
- ★ CHINA NATIONAL PLASTIC PRODUCTS QUALITY SUPERVISION & INSPECTION CENTER
- ★ SHANGHAI CHINA SGS BIODEGRADABLE REPORT
- ★ SHANGHAI CHINA CTI(SGS) DEGRADATION OF NON-TOXIC PE FILM DETECTION

TCOQ-X STORAGE

Preserve at least up to five years, in storage under normal temperature without other influences, it will only start to decompose out in natural environment through advise procedure, it will not degrade through oxidation.



TCOQ-X

**Protect the nature, remove pollution
For our families and love ones**

Keep a clean, comfortable and healthy environment for everyone!

United, we can save our planet!