

**RECYCLED OF  
BIODEGRADABLE  
POLYESTER**





## RECYCLED OF BIODEGRADABLE POLYESTER



Nanya GreenOne is an environmentally friendly biodegradable man-made fiber; adding organic additives,

It can accelerate the biological decomposition rate of polyester materials and degrade into carbon dioxide and methane.

And consumers have no doubt about cracking during use.

Compared with traditional polyester fiber, GreenOne is undergoing biodegradability testing.

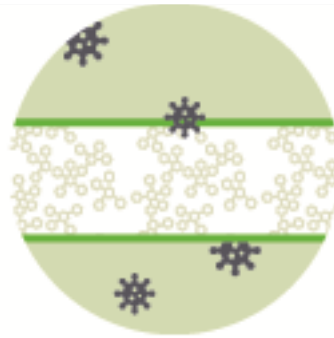
It was previously known that it can reach 21% biodegradation within 210 days (ASTM D5511);

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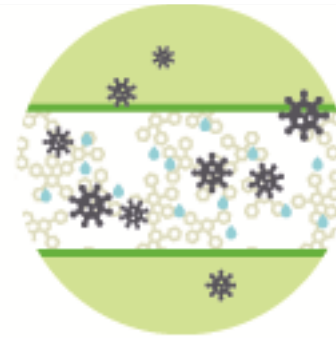
LEVEL1

Initial



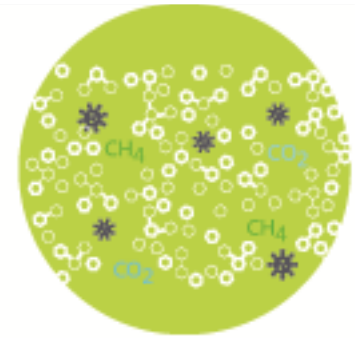
LEVEL2

Microorganisms attract



LEVEL3

Insert into fiber



LEVEL4

Start to degrade



molecular chain



Biodegradable additives



Microorganisms



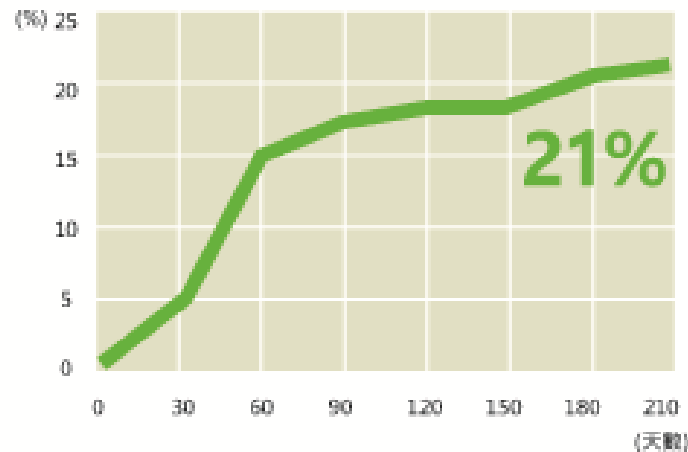
water molecule





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ASTM D5511  
生物分解測試



Yarn scale

DTY

30/36	50/72	75/72
	50/72/2	75/72/2
		75/72HCR