



# Antimony Free Polyester

In general, when polyester (PET) is synthesized, a catalyst must be added in the polymerization reaction, and a heavy metal catalyst containing antimony is used in the traditional process.

Under the rising global environmental awareness, consumers can use green products produced by antimony free catalysts safely to reduce environmental pollution and protect the earth.

## Test results

- ◇ Antimony(3+) acetate content -> not detected
- ◇ Antimony free cotton full Solubility test ->  $Sb^{3+} < 3ppm$ (Taiwan SGS)
- ◇ Antimony free cotton surface extraction test ->  $Sb^{3+} < 3ppm$ (Taiwan SGS)

Referring to OEKO-TEX Standard 100 , the amount of heavy metal "Antimony" dissolved in contact with the skin shall not exceed 30 ppm.

## Features

- ◇ Wide range of applications
- ◇ harmless to human body
- ◇ Eco friendly

## Application

- ◇ Non-woven
- ◇ Wipes
- ◇ Mask
- ◇ Clothes
- ◇ PET bottle

*New catalyst – Antimony Free catalyst (EX: Titanium)*



Polymerization  
Reaction process



Antimony Free  
Fabric



harmless to environment

TAINAN SPINNING CO., LTD.

TEL: 886-2-27589888 FAX: 886-2-27582804  
EMIL: polysale@tainanspin.com.tw  
HTTP: //www.tainanspin.com.tw