



特性 Features

- ◆ Allows degradation not only on the surface, but also in the interior of BioPro polyester filament.
- ◆ Allows microbes to consume C-C bonds within the polyester filament structure at a macromolecular level.
- ◆ Enhance the biodegradability of polyester filament by increasing the amount of hydrophilicity.

*可使生物分解聚酯纖維的表面及內部結構

*微生物酵素分解纖維中C-C高分子鏈,使PET纖維能裂解成為更簡單的單體結構

*藉由增加產品的親水性,強化聚酯纖維的生物可分解性

產品用途 Product usage

Same as virgin grade polyester filament and can be used in all kinds of knit and woven fabric.

產品規格 Product specification

50/36/1; 50/72/1; 75/48/1; 75/72/1;
100/72/1; 100/144/1; 150/96/1;
150/144/1; 300/192/1;

生物降解 Biodegradation test

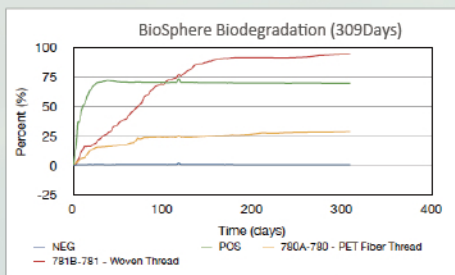


Figure: Testing under ASTM D5511 of PET Fiber Samples (309 Days)

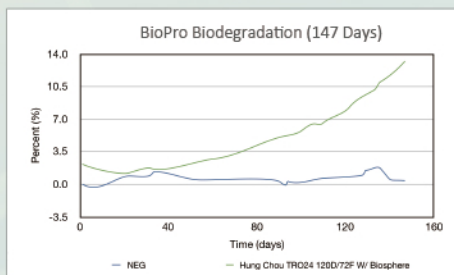


Figure: Testing under ASTM D5511 of PET Fiber Samples (147 Days)

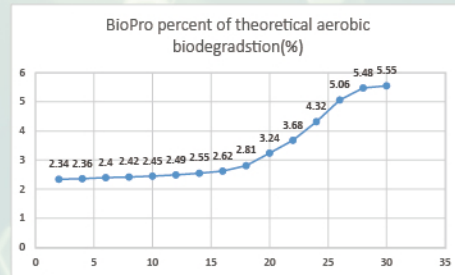


Figure: POY 120/72 30 days test result, from TTRI ASTM D6691-2017