

BIODEGRADABLE

Around 99% of textiles used are being thrown to landfill sites in high volumes, the amount volumes have reached more than billion of pounds each year that also cause a huge environmental impact.

Biodegradable fiber could enact the same biodegradation properties as wool fiber in either both landfill as well as the ocean, and consequently reduce the environmental load and achieve sustainable zero waste cycle.

Features



Sustainable
PET degradation in 600 days
rate up to 87.6% (Wool 71.2%)



Sustainable
Neither particular properties will be affected, nor the post-finish toward the biodegradation properties



Compoundable with recycled material to reproduce new cycle



The average garment is kept for only 4 years

Laundry

Each laundry load may release up to 700,000 microfibers'



Waste Disposal



Typical gestation time in wastewater treatment plant digester is up to 60 days



WWTP SLUDGE

15%

degradation rate in 55 days

vs. 0% for

comparable untreated fiber

SEA WATER

86%

degradation rate in 592 days

vs. 3% for

comparable untreated fiber



SOIL

85%

degradation rate in 463 days

vs. 0% for

comparable untreated fiber

LANDFILL

91%

degradation rate in 1,278 days

vs. 6% for

comparable untreated fiber

LIBOLON