

**DOMO**

caring  
is our formula



# **NYLEO<sup>®</sup> 4EARTH<sup>®</sup>**



## Biodegradable Nylon 66 Fiber

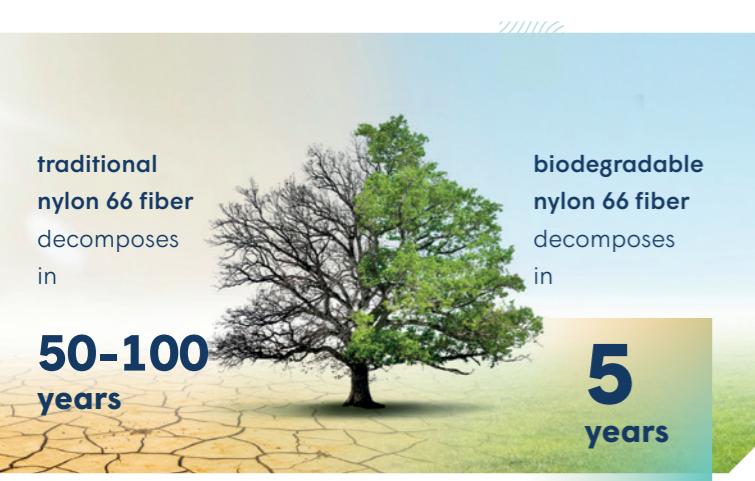
**Enhanced biodegradation  
when landfilled**



## Enhanced biodegradability nylon 66 fibers in landfills

As more and more industries embrace sustainable development concerns, regulatory push and economic pull are driving manufacturers to seek ways to reduce their impact on the environment and the amount of waste left to future generations.

This applies to the textile industry as well, since the pollution it generates has a huge impact on the planet.



More than 70% of end-of-life clothing is landfilled or incinerated.

Based on this observation, DOMO has developed **NYLEO 4EARTH** - using the Amni Soul Eco® technology from the Solvay Group - which demonstrates enhanced biodegradation when landfilled.

In anaerobic landfills, its unique composition allows bacteria to gain access to and digest the waste materials, thus accelerating the biodegradation process.



As demonstrated by independent laboratory biodegradation tests in accordance with D5511-12 (anaerobic - high solids biodegradability), **NYLEO 4EARTH** fibers biodegrade in around 5 years when disposed of in landfills, compared to more than 50 years for traditional nylon 66 fibers.

## New environmental resources generated thanks to **NYLEO 4EARTH**

Like other biodegradable products, once landfilled, **NYLEO 4EARTH** polyamide 66 fiber with enhanced biodegradability breaks down into organic matter (biomass) and biogas (methane).

Within 5 years, **more than 90% of the fiber** is converted into biogas, while the residue is biomass.

In well controlled landfills, **methane is not released directly into the atmosphere**, but burned or reused for power generation.



## Less impact on the environment, more value for your products

**NYLEO 4EARTH** is the right choice for both the environment and your products.

By offering **enhanced biodegradability** to safeguard the environment while maintaining all the standard characteristics of nylon 66, including **durability, long life, high tenacity, soft touch and abrasion resistance**, it's the optimal solution for your final applications.



By reducing the environmental footprint and the impact on nature, the revolutionary **NYLEO 4EARTH** makes the world a better place for future generations.



#### **DOMO CHEMICALS**

DOMO Chemicals is a leading engineering materials company and highly integrated solution provider committed to the sustainable future of polyamides.

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