



NYL-ONE®: FROM RECOVERED FISHING NETS TO RECYCLED NYLON

Where avoidance is not possible, optimizing is the way.

Nylon is a synthetic petroleum-based material known for its exceptional strength, durability, elasticity and abrasion resistance. While these properties make nylon a preferred material for fishing nets, if not properly discarded, these nets break down into microplastics that have a toxic effect on marine ecosystems. It is estimated that **640,000 tons of fishing nets** are discarded into the ocean each year and 70% of marine animal entanglements involve abandoned plastic fishing nets.

Our goal for Nyl-One® is to **collect and recycle discarded fishing nets**, and turn them into durable and sustainable nylon products for the consumer market -- creating a circular economy for used nylon. Our main product lines are recycled nylon polymers, yarn, knitted fabrics and finished apparel and other products.

Being a vertically-integrated group of companies, we are uniquely positioned to execute full end-to-end process of recycled nylon. Our experience in spinning, knitting and apparel-making enable us to combine technical recycled fabric innovations with precise knitting expertise.

We are certified by the **Global Recycled Standard (GRS)** and **Control Union** for recycled nylon.

A DEEP DIVE INTO OUR RECYCLING PROCESS

➔ Collecting & Sorting



We begin the process by purchasing used fishing nets directly from the fishing communities, giving them a financial incentive to stop discarding and collect. Fishing nets are then sorted by color and type of plastic at our recycling facilities.

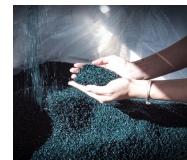
Located in Chonburi, Thailand, and are perfectly positioned to collect discarded fishing nets from the Chonburi fishing regions and surrounding areas.

➔ Cleaning & Shredding



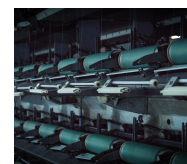
The fishing nets are washed to remove mud, sand and salt residues. Throughout this process, all wastewater is filtered and reused. Clean nets are then shredded down into smaller pieces.

➔ Recycling



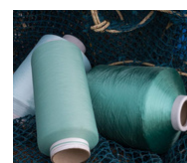
Shredded nets are fed into a melt extruder and processed to produce 100% usable recycled polymer pellets - the "**Nyl-One® Ocean Line**". The pellets are ready to be used to replace virgin plastics to produce consumer goods.

➔ Spinning & Texturing



The Ocean Line polymers are spun into recycled nylon yarn and textured to produce high-quality and ready-to-use yarn. We offer yarns of various counts, both FDY and DTY.

➔ Knitting & Apparel



Nyl-One® yarn are knitted into fabrics with both fashion and function in mind, and made into finished apparel and other products for consumers and brands.

We are passionate about studying the supply chain of nylon yarns and finding ways to increase the efficiency and sustainability of the nylon life cycle.