



# PERFORMANCE YARNS

 **PRIMALOFT<sup>®</sup> BIO<sup>™</sup>**

THE FIRST - EVER BIODEGRADABLE\*  
100% RECYCLED, SYNTHETIC FIBER

**SILVER PERFORMANCE YARN**

LUXURY BLEND • MERINO WOOL BLEND

**BLACK PERFORMANCE YARN**












POLYESTER BLEND

by





# PRODUCT SPECIFICATIONS

BLEND	COUNT RANGE	FEATURES AND BENEFITS				
100% PrimaLoft® PL	From Nm 1/85 to Nm 1/32	 Fast Drying  Breathable  Superior Softness  Abrasion Resistant  Optional Recycled Content				
100% PrimaLoft® BIO PL recycled and biodegradable	From Nm 1/85 to Nm 1/32					
50% Fine merino WO - 50% PrimaLoft® PL 54% Fine merino WO - 46% PrimaLoft® PL	From Nm 1/85 to Nm 1/32	 Retains Warmth When Wet  Fast Drying  Breathable  Easy Care  Soft Hand-Feel  Natural Fibers				
50% Fine merino WO - 50% PrimaLoft® BIO PL recycled and biodegradable 54% Fine merino WO - 46% PrimaLoft® BIO PL recycled and biodegradable	From Nm 1/85 to Nm 1/32					



\* Colour available only for 50% WO - 50% PL



# FLUO COLOURS

Available in 100% PrimaLoft® Polyester and in 100% PrimaLoft® BIO™ Polyester



INTRODUCING

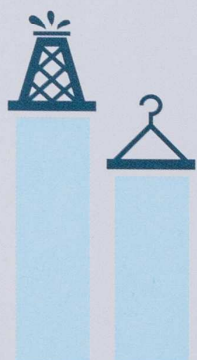


As the experts in advanced material technology solutions, PrimaLoft has set sustainability forward with the first-ever biodegradable\*, 100% recycled synthetic fiber, for insulation and fabric applications.

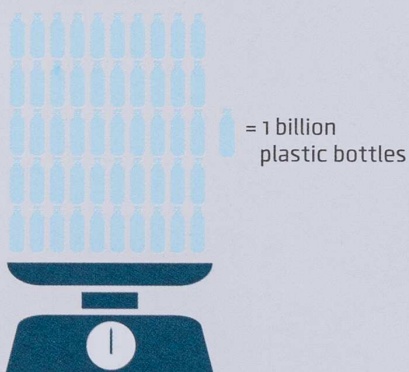
Because we believe there is always a better answer. One of the ways PrimaLoft is Relentlessly Responsible™.



## What We're Up Against



**Second to oil**<sup>1</sup>  
the clothing industry is the largest pollution creator in the world.



**500,000 tons**<sup>1</sup>  
of plastic microfibers are released into the ocean each year from the washing of textiles - equivalent to more than 50 billion plastic bottles.

<sup>1</sup> Source: Ellen MacArthur Foundation: *A New Textiles Economy: Redesigning fashion's future*

<sup>2</sup> Source: "Production, use, and fate of all plastics ever made" by R.Geyer et al., *Science Advances*



**Less than 10%**<sup>2</sup>  
of plastics produced globally are actually recycled.

\*93.7% biodegradation in 586 days under ASTM D5511 conditions. 76.6% biodegradation in 973 days under ASTM D6691 conditions.



**BLEND**

10% Cashmere - 50% Tencel®  
40% PrimaLoft® PL

**COUNT RANGE**

From Nm 1/85  
to Nm 1/32

**FEATURES AND BENEFITS**

Luxurious  
Hand-Feel



Fast  
Drying



Breathable



Easy Care



Durable



Natural  
Fibers

**F**

29800 BB

29801 BB

29802 BB

29803 BB

29804 BB

29805 BN

29806 BN

**G**

29807 BB

29808 BB

29809 BN

29810 BB

29811 BB

29812 BN

29813 BN

**H**

29814 BB

29815 BB

29816 BN

29817 BB

29818 BN

29819 BB

29820 BN

**BLEND**

80% PrimaLoft® PL - 20% Silk

**COUNT RANGE**

From Nm 1/85  
to Nm 1/32

**FEATURES AND BENEFITS**

Luxurious  
Hand-Feel



Fast  
Drying



Breathable



Easy Care



Durable



Natural  
Fibers

**I**

29860

29861

29862

29863

29864

29865

29866



# THE FUTURE OF SUSTAINABILITY



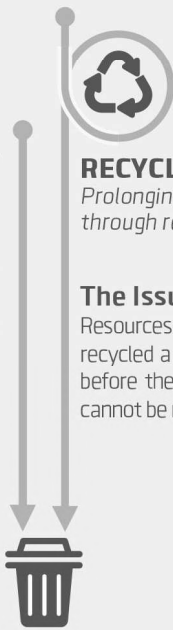
## ECONOMIC SYSTEMS

### LINEAR ECONOMY

Take, make, dispose.

#### The Issue

Depletes finite resources and produces significant waste



### RECYCLING ECONOMY

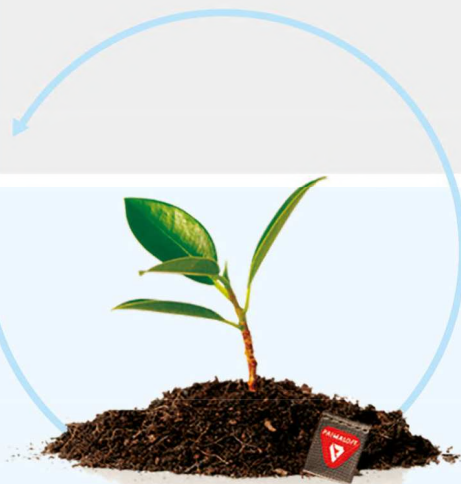
Prolonging resources through reuse

#### The Issue

Resources can only be traditionally recycled a limited number of times before the quality degrades and it cannot be reused

### CIRCULAR ECONOMY

A circular economy is an economic system aimed at minimizing waste and re-capturing usable resources to be utilized within the system. This eliminates the need to introduce new natural resources, creating a closed loop. Resources can be reused over and over again, without losing quality. For polyesters, this is often achieved through chemical recycling



## PRIMALOFT BIO™ AND CIRCULARITY

Biodegradability is an end of life solution that works in harmony with the circularity model. PrimaLoft® Bio™ solves for fibers that make their way outside of the closed loop and into the environment - whether through laundering and wear-and-tear during the life of a garment or, if a garment does find its way into a landfill or ocean water

## WHAT IS CHEMICAL RECYCLING?

Chemical recycling is a process that breaks down polyester to its basic components, while maintaining their integrity, so that it can be rejuvenated into new high-performance material. This process can be repeated time and again, without any loss in quality.

### PrimaLoft® Bio™ Fibers Through the Chemical Recycling Process:

- 1 A used garment is returned for recycling
- 2 Materials are separated and sorted
- 3 PrimaLoft® Bio™ fibers are sent to a chemical recycling facility, where they are broken down into their basic components
- 4 PrimaLoft® Bio™ fibers maintain a 95% yield rate through the chemical recycling process
- 5 The same basic components are converted into polyester chips
- 6 The chips are used to produce new, high-performance PrimaLoft® Bio™ fibers
- 7 A new garment is produced with PrimaLoft® Bio™ fibers, beginning the cycle again!



\*93.8% biodegradation in 586 days under ASTM D5511 conditions; 76.6% biodegradation in 973 days under ASTM D6691 conditions.