


# NATULON® Fiber Sourced™



**Giving new life to used textiles**



**The NATULON® Fiber Sourced™ zipper is made from recycled discarded clothing and textile waste. These waste materials are chemically recycled and remade into new materials, addressing the challenge of apparel waste.**

**YKK™**

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# NATULON® Fiber Sourced™

Using textile waste and discarded clothing to create new zippers.



With less than 1% of all clothing globally being recycled into new garment\*, the NATULON® Fiber Sourced™ zipper helps to advance apparel circularity by using textile waste and discarded clothing as input materials to create the tape for new zippers. Using advanced chemical recycling, these waste materials are broken down into their core chemical building blocks, which are then used to make the materials that go into the NATULON® Fiber Sourced™ zipper. Materials made from chemically recycled monomers have the same strength and quality as those made from virgin materials.

\* Ellen MacArthur Foundation, A new textiles economy: Redesigning fashion's future (2017).

## Recycled Material Ratio Example \*Calculated by in-house calculations

Zipper Type	Item	Element	Tape <sup>*1</sup>	Recycled material ratio by weight (Chain)
Coil Zipper	3CCH	Recycled PET <sup>*2</sup>	Recycled PET <sup>*4</sup>	Approx. 79%
Coil Zipper	3CF	PET	Recycled PET <sup>*4</sup>	Approx. 59%
Coil Zipper	5CI	PET	Recycled PET <sup>*4</sup>	Approx. 53%
Coil Zipper	5CIHE	Recycled PET <sup>*2</sup>	Recycled PET <sup>*4</sup>	Approx. 83%
VISLON® Zipper	5VSPBE	Recycled PBT <sup>*3</sup>	Recycled PET <sup>*4</sup>	Approx. 91%
VISLON® Zipper	5VS	POM	Recycled PET <sup>*4</sup>	Approx. 38%
Metal Zipper	5RG	Copper Alloy	Recycled PET <sup>*4</sup>	Approx. 22%

<sup>\*1</sup> The yarn used in the tape is third party certified. The tape does not include core cord, sewing thread and tightening yarn.

<sup>\*2</sup> Recycled from PET bottles and other materials.

<sup>\*3</sup> Recycled from industrial PBT materials. The Recycled PBT elements have relatively low chain strength compared to virgin POM elements. Element color would be limited, so please check with your local YKK representative for details.

<sup>\*4</sup> Recycled from waste clothing and scraps.



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