



# NATULON®

The lower impact choice



**reducing the demand for  
new fossil resources.**

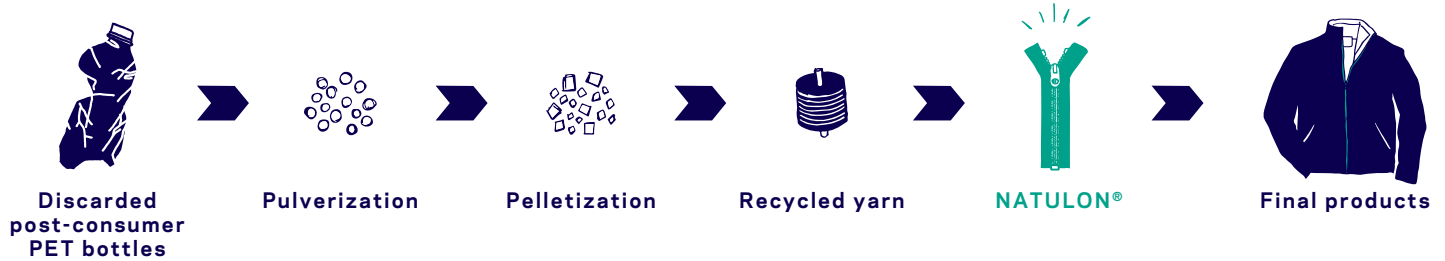
Zippers with tape made from recycled materials.  
The yarn used in the tape is mainly made from  
PET bottles and other polyester materials.

**YKK™**

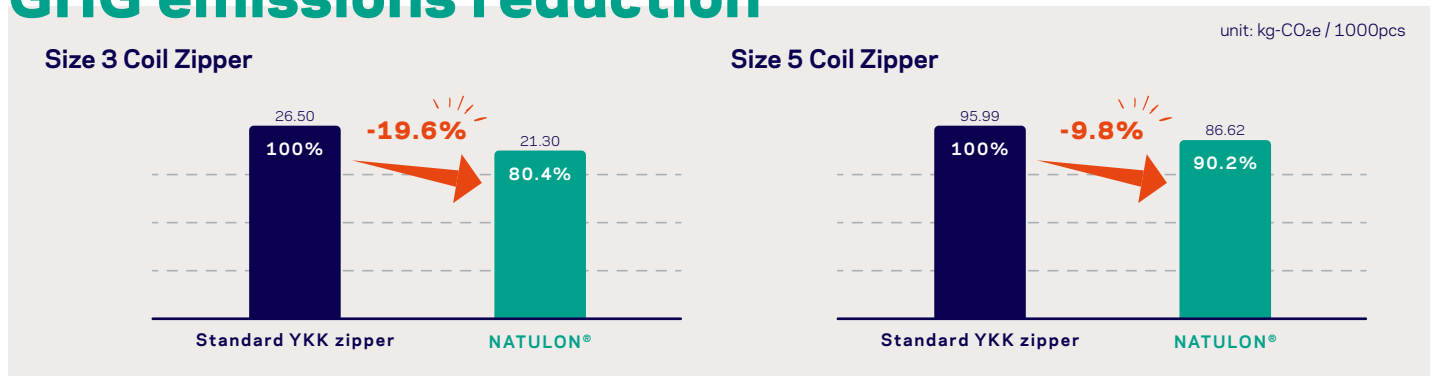
Little Parts. Big Difference. >>>

# NATULON® Using Recycled material Zippers

## how do discarded PET bottles get turned into NATULON® zippers?



## GHG emissions reduction



Compared to standard zippers of the same size, NATULON® zippers help to reduce the total GHG emissions from raw material procurement to product manufacturing and shipment. For example, a No. 3 Closed-End 20cm coil zipper has been shown to emit approximately 19.6% less GHG compared to a standard YKK coil zipper. In addition, the No. 5 Open-End 60cm coil zipper has been shown to achieve approximately 9.8% less GHG emissions compared to the standard YKK coil zipper.\*

\*The reduction ratio was calculated internally at YKK based on the Lifetime Cycle Assessment (LCA) results of GHG emissions Global Warming Potential over 100 years (GWP100) verified by SGS.  
 \*Calculated based on ISO14040/14044 (Cradle to Gate, GWP100, IPCC AR6).  
 \*No. 3 coil zippers were evaluated using data from fiscal year 2022, and No. 5 coil zippers were evaluated using data from fiscal year 2021.  
 \*For further details about calculation data, please contact a YKK representative.

## recycled material ratio example

PET=Poly Ethylene Terephthalate / POM=Poly Oxy Methylene (Polyacetal).

Zipper Type	Size	Element	Tape <sup>1</sup>	Recycled material ratio (Chain) <sup>2</sup>
Coil	5	PET	Recycled PET	Approx.48%
Racquet Coil	5	PET	Recycled PET	Approx.50%
VISLON®	5	POM	Recycled PET	Approx.39%
Metal	5	Copper Alloy	Recycled PET	Approx.18%
YZiP®	3	Copper Alloy	Recycled PET	Approx.19%

<sup>1</sup> The yarn used in the tape is third party certified. The core cord, sewing thread and tightening yarn do not use recycled materials.  
<sup>2</sup> Based on in-house calculations by weight.

To highlight that your garments feature YKK zippers, we offer the tag designs featured below. Please feel free to ask YKK representatives for more details.



For more information, please contact YKK representatives.

