



NATULON®

The lower impact choice



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

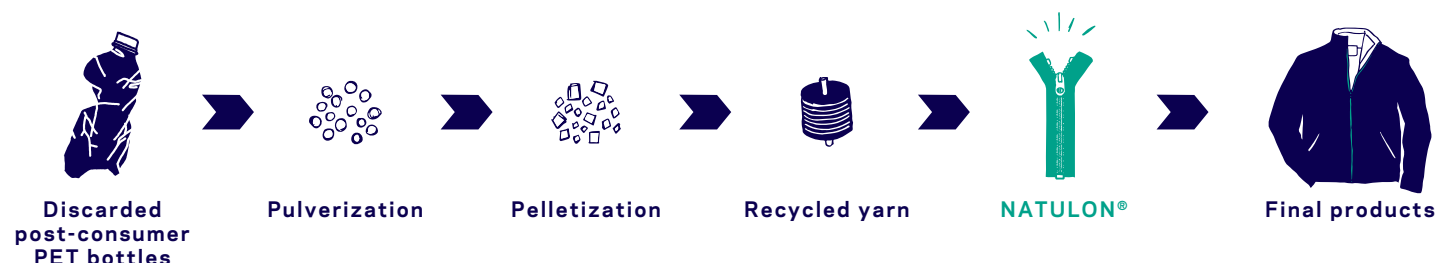
Zippers with tape made from recycled materials.
The yarn used in the tape is mainly made from
PET bottles and other polyester materials.

YKK™

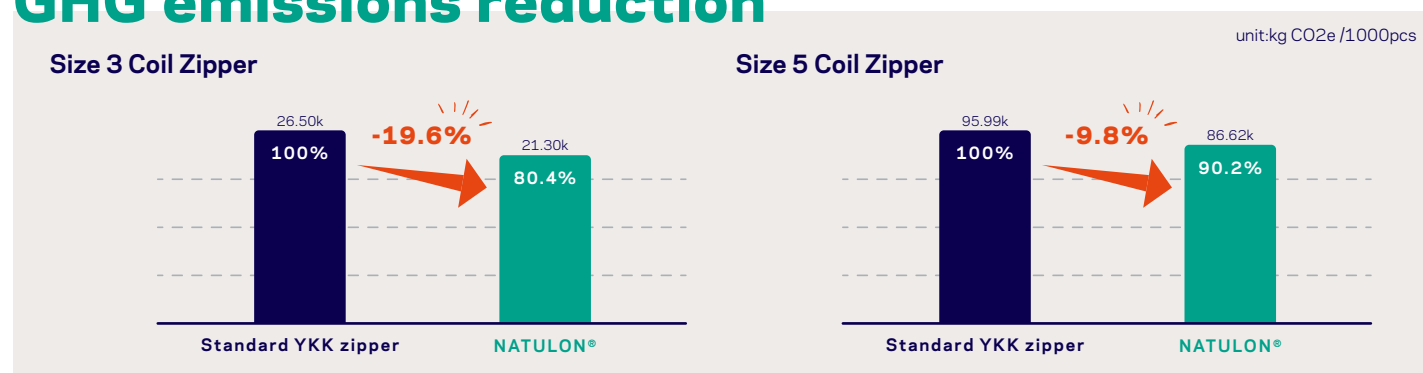
Little Parts. Big Difference. >>>

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 ^{*1}	Recycled material ratio (Chain) ^{*2}
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%

^{*1} The yarn used in the tape is third party certified. The tape does not include core cord, sewing thread, and tightening yarn.

^{*2} Based on in-house calculations by weight.

For more information, please contact YKK representatives.

