

## LOWERING CARBON FOOTPRINT WHILE MAINTAINING KASK SAFETY STANDARDS

SUPERPLASMA, PRIMERO AND ZENITH X SERIES HAVE INTERNAL SHELL MADE OF



**Neopor®  
Cycled®**

by BASF

NEOPOR® CCYCLED® EPS IS OBTAINED FROM CHEMICAL RECYCLING OF PLASTIC WASTE AND HAS A REDUCED CARBON FOOTPRINT, ENSURING THE SAME HIGH QUALITY, PERFORMANCE AND SAFETY AS EPS MADE FROM FOSSIL RAW MATERIAL.



SUPERPLASMA



PRIMERO



ZENITH X

### BENEFITS OF USING NEOPOR® CCYCLED® EPS

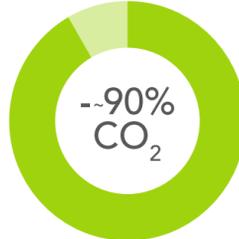
- Ensures the **same mechanical characteristics** as conventional Neopor®, such as all-around high impact energy absorption
- **Saves fossil resources** and **reduces CO<sub>2</sub> emissions** compared to conventional EPS
- Contributes to a **circular economy** by turning plastic waste into **feedstock for the chemical industry**, when no other recycling processes are applicable



### REDUCED PRODUCT CARBON FOOTPRINT

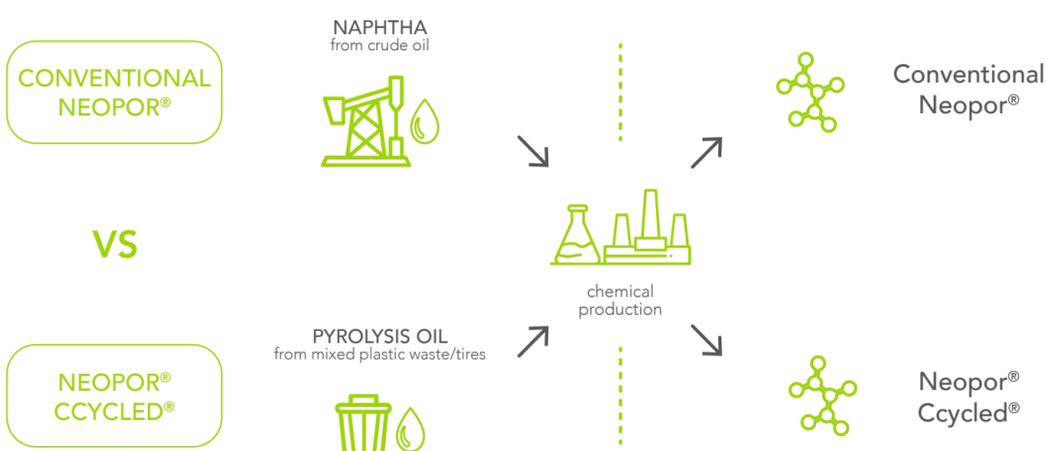


Neopor® Cycled® has a product carbon footprint **reduced by about 90% compared to conventional Neopor®** produced on the basis of fossil feedstock.



CO<sub>2</sub> emissions are saved when manufacturing EPS using pyrolysis oil under a mass balance approach\*. The lower emissions result from chemically recycling the mixed plastic waste instead of incinerating it.

### THE PRODUCTION PROCESS

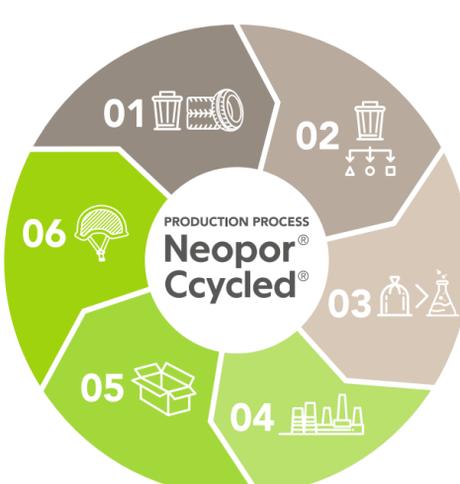


### CONSERVING RESOURCES

01 Consumers dispose plastic products

06 New products, e.g. internal shell of KASK safety helmet, are manufactured from Neopor® Cycled®

05 The pyrolysis oil is attributed to Neopor® Cycled® via a certified mass balance approach\*



02 Plastic waste is sorted and delivered to BASF technology partners

03 Plastic waste is chemically recycled and converted into pyrolysis oil

04 The pyrolysis oil obtained is used as feedstock at the very beginning of the BASF value chain

Which KASK helmets have Neopor® Cycled® EPS internal shell?

[DISCOVER HERE](#)

\* Conventional fossil raw materials required to manufacture BASF products are replaced with recycled feedstock from the chemical recycling of plastic waste or end of life tires along BASF's integrated production chain. The corresponding share of recycled feedstock, e.g. pyrolysis oil, is attributed to the specific Cycled® product via a certified mass balance approach. BASF sites and Cycled® products are third party certified according to internationally recognized certification schemes like REDcert2 and ISCC PLUS and meet the definitions by ISO 22095:2020. The recycled feedstock is not measurable in the BASF mass balance approach. The cradle to gate PCF is calculated according to TFS Methodology using an Upstream System Expansion (USE) approach. USE accounts for a credit for the displaced waste treatment from the first life cycle (e.g. incineration), thereby reducing the product carbon footprint compared to the equivalent conventional fossil product. PCF data is subject to periodical reviews.

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