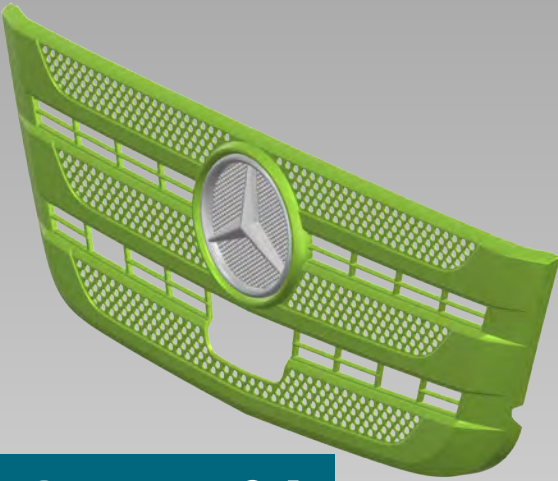


# DAIMLER TRUCK

## Grille

86.5 % bio-based decorative grille –  
strong in appearance, smart for the environment

**reECONIC**



Status as of May 2026

**86.5 %**  
Biobased Content

### Details

- Decorative grille made of polylactic acid (PLA) with high temperature and hydrolysis resistance as well as impact strength comparable to PC/ASA
- Excellent surface quality for a premium look and feel
- Improved CO<sub>2</sub> footprint through usage of renewable raw materials
- Outstanding processability in injection molding for stable and efficient production processes
- Excellent mechanical recyclability and circularity

### Statements

#### Raw Material – Fraunhofer ICT

“The newly developed PLA formulations offer a high-performance alternative to petroleum-based plastics – the ideal material for high-quality, circular components.”

#### Bauteil: Mürdter Metall- und Kunststoffverarbeitung GmbH

“The bio-based decorative grille translates sustainable material development into an automotive application. Key factors include robust component design, process reliability, and the precise realization of a visually and functionally relevant part.”

Further information about the overall reECONIC project →