

# Sustainability Performance



## First Range of Polyisobutenes derived from 100% Renewable Feedstock – OPPANOL® BMBcert™

Preserving our earth and environment has become an important driver for today's society. While industrial operations are continuously working to reduce their impact, more and more customers are making environmentally conscious purchasing decisions when it comes to products offered. BASF's polyisobutene (PIB) is an essential building block and enabler in a broad and diverse range of customer industries and their manufactured end products.

Following the tradition of being the innovator of PIB and the clearly spelled out aspiration that comes with the product's promise 'made to innovate', BASF, as the first company in the market and by applying BASF's Biomass Balance (BMB) approach, has successfully made this essential component available derived from 100% renewable feedstock – providing a true alternative to fossil-based feedstock and contributing to the reduction of impact on our precious planet.

### Performance Benefits:

- Identical quality and product performance compared to fossil-based high performance polyisobutene
- No reformulation and/or requalification required

### Sustainability Benefits:

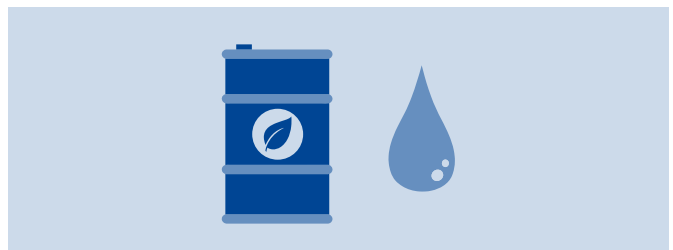
- Significantly reduces product carbon footprint
- Contributes to preservation of fossil resources
- Reduces overall greenhouse gas emissions

### OPPANOL® B 12 SFN Fossil feedstock



**Total product carbon footprint**  
3.22 kg CO<sub>2</sub>-eq.

### OPPANOL® B 12 SFN BMBcert™ Biogas feedstock



**Total product carbon footprint**  
0.49 kg CO<sub>2</sub>-eq.

**BASF calculates the product carbon footprint based on the global warming potential for a 100-year evaluation period (GWP100) using characterization factors from the 2013 IPCC Assessment Report (AR5) including climate carbon cycle feedback. Inventory is based on a cradle-to-gate consideration.**