Product Footprint

The following declaration applies to 1 kg of the following product produced at Ensinger GmbH, Nufringen, Germany.

Impact	Product name	PCF value	Unit
Global warming potential, GWP	TECAPEEK PVX black	35.2	kg CO2eq

Life Cycle Assessment Background Information

Calculation methods: Follows DIN EN ISO 14040 series standards; IPCC 2021 GWP 100a was used for the assessment.

Calculation date: Apr 2025

System boundary: Cradle-to-gate, no data exclusion.

Data collection period: The primary data refers to average production conditions in the years 2020 - 2024. Background data is not older than 5 years.

Date source: The result is based on the latest version of sources like the ecoinvent database (V3.11), average industry data and primary data from Ensinger. Values from suppliers (primary data) are only used if they are reliable and have been checked in accordance with the EPSM commitment letter.

Allocation: Since energy consumption, raw materials, supplies and waste in the process are not managed separately for product and by-products, a quantitative breakdown was considered. For by-products, a closed-loop system was considered, as long as they are reused.

Limitation of use: Our product footprints are updated every 2 years. The information on the product footprint should no longer be used if its calculation date is more than two years in the past and should be requested again from Ensinger.

Date: 07.04.2025

Disclaimer: This declaration is based on a review of recent composition data and information supplied by the vendors. The information and the LCA results hereinabove are provided “as is”, at the discretion of the disclosing company, without guarantee, warranty or representation of any kind, express or implied, including but not limited to, as to (I) their accuracy or completeness, (II) their fitness for a particular purpose and non-infringement of third parties’ intellectual property rights, and (III) their use. Ensinger shall incur no liabilities in connection with the foregoing. According to ISO 14040-44 standards, the use of LCA results to support comparative assertions intended to be disclosed raises special concerns and requires specific critical review. No critical review of these data was performed. Providing this information to a third party without the approval of Ensingers is prohibited.

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