

beurer Title: Product Carbon Footprint (PCF)

File: HD75_Finale Daten Veröffentlichung PCF_rev02_20260223

Background information	
Norms complied with:	ISO 14067:2018 Add EPD Standards if applicable
Article number:	Nordic taupe: 42103, Dark-grey: 42106, Cosy ocean: 40019, Taupe: 42400, Green Planet - Nordic grey: 40000
Product:	HD 75 Beurer incl. packaging
Product description:	The HD75 is a heated blanket. It is available as a "Green Planet" version and "normal" version. The difference (aside from the colour) between the two products is that in the "Green Planet" version, the top and bottom (100%) as well as the hand switch housing (50%) are made of recycled plastic.
Functional unit:	1 item of the product
System boundary:	cradle-to-grave
Goal of the assessment:	Assess the impact of the use of recycled material in the product
LCIA Method:	IPCC 2021 GWP 100

PCF Data non-Green Planet			
Emissions by life cycle stage	Materials / Manufacturing	12,63	kgCO2e
	Transport	0,66	kgCO2e
	Use-phase	13,67	kgCO2e
	End of life	2,63	kgCO2e
Total emissions across life-cycle stages		29,59	kgCO2e

PCF Data Green Planet			
Emissions by life cycle stage	Materials / Manufacturing	8,13	kgCO2e
	Transport	0,66	kgCO2e
	Use-phase	13,67	kgCO2e
	End of life	2,63	kgCO2e
Total emissions across life-cycle stages		25,09	kgCO2e

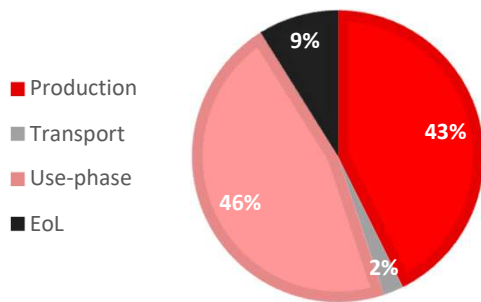
Methodological notes & additional information		
Note 1	The calculation of a product carbon footprint contains various sources of uncertainties and points, at which assumptions must be made. In order to ensure transparency, see our notes on the calculation of the PCFs below. If you have any additional questions, contact esg@beurer.de .	
Key assumptions	Production:	Average values from the Ecoinvent database were used for the emission factors. If factors were not available, alternative values were applied. Since we unfortunately do not have the exact BOM, we had to work with data provided by the engineering department. Components without exact weight (controller, packaging and PS2-Element) specifications were scaled so that the final total weight was achieved.
	Transportation:	Assumptions made: type of ship, fuelling, type of truck, loading, fuelling of the truck. Package sent to average customer via DPD transport from Uttenweiler. 99,9% of packages sent from UTT via DPD are sent via road transport. Therefore the assumption that package transported via road the average distance reported in DPD data using an average truck.
	Use-phase:	Hours of use, Lifetime of product, days of use per year, electricity emissions factors can vary significantly based on where the product is used. Assumed use on level 4/6. Assumptions based on a small dataset of use data collected.
	End of Life:	Recycling of the electronic parts not in controller or packaging, burning of rest of materials and use for district heating (PS2-Element, blanket with components inside). It is difficult to recycle the materials in the blanket as there is not a process to separate the metal from inside the bedding from the polyester. Factors for polyethylene, polypropylene or waste textile (whichever most similar) were used when factors for specific plastic materials was not available.

beurer Title: Product Carbon Footprint (PCF)

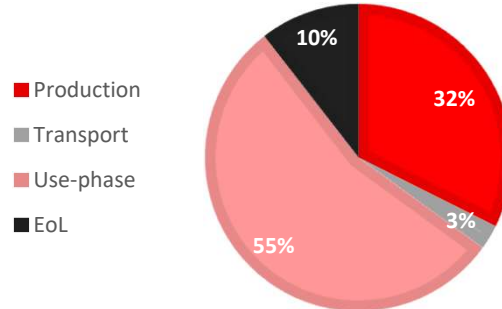
File: HD75_Finale Daten Veröffentlichung PCF_rev02_20260223

Assumptions table		
Use-pase	Years of use:	7
	Hours of use/day of use:	1,933
	Days of use/year:	68,72
	Country of use:	EU Mix
	Average Wattage [W]:	43
Transport Locations	Assembly location:	China
	Use location:	EU Mix
	Transport methods:	Ship, Road
Waste disposal types	Incineration	73%
	Material recycling	27%

EMISSIONS BY LIFE-CYCLE STAGE NON-GREEN PLANET



EMISSIONS BY LIFE-CYCLE STAGE GREEN PLANET



This carbon footprint was independently verified by Dr. Hans-Ulrich Streit of the Terra Institute GmbH in Brixen in accordance with the stated standards.

X *Handwritten signature*