



Product Carbon Footprint

Samsung has recently performed the carbon footprint of products to better understand potential environmental impacts may caused from the product through its whole life cycle including ; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. The assessment has been completed in accordance with ISO 14067 - Greenhouse gases - Carbon footprint of products - Requirements and guidelines for quantification.

Product category	Monitor
Model name	LF27T450FQRXEN
Product features	⊙ Screen Size : 27 Inch
	⊙ Net Weight : 6.2 kg
Life time	4 years
Amount of electricity consumed in the use phase	17 W
Carbon footprint Evaluation Methodology	ISO 14067

Carbon footprint Results

Product Phase	Emissions per f.u (kg CO ₂ e/f.u)
Pre manufacturing	98,7
Product Manufacturing	0,4
Distribution	1,1
Use	109,9
Disposal	1,1
Total	211,2

※ Usage Scenario : 40% on mode, 5% sleep mode, 55% off mode, 4 years

※ Electricity Carbon Emission Factor : European Union (IEA2022)

※ CO₂ Emission results may vary from region and time of evaluation.

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