

PRODUCT CARBON FOOTPRINT – PIQUADRO

Climate Action in 5 Steps:



Assessment Methodology:

Our assessment is based on:

- o Internationally recognized standards



- o Secondary data extracted from scientific life cycle assessment databases
- o ACBC’s primary data

Product Carbon Footprint Methodology:

System Boundaries Definition – from raw materials phase to end-of-life, excluding use phase

Data collection on the analyzed product (composition, supplier, material origin and etc)

Component Weighing with the scales Driwei and Bil2b Bombelli

Emissions factor identification based on products' component composition

CO2 impact calculation also taking into account production waste. If not available, secondary data values have been used to fill the gap.

Results documentation in the form of an official report

Focus on Data Collection:

ACBC aims at the highest possible data quality.

ACBC strives to use primary data when available. Only with the highest quality degree scientific-based analyses can truly be a real decision-making factor.

ACBC strives to use primary data by directly interacting with the multiple involved stakeholders.

ACBC consults and supports other businesses to collect, document and compare data.

ACBC strives to reduce data gaps to the least amount as possible.

ACBC accounts for unavoidable data gaps and suggests to account for a 15% deviation of the PCF in order to fully cover emissions in the compensation phase

Product Carbon Footprint Analysis:



RAW MATERIALS
MANUFACTURING



TRANSPORT



TRANSPORT



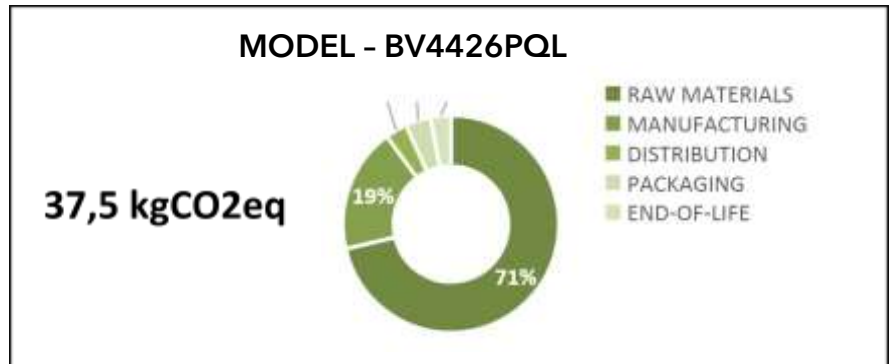
PACKAGING



END OF LIFE



SUMMARY



Disclaimer: The CO₂ calculation is based on literature data and proxy estimates. Although the literature presents wide impact ranges, ACBC has tried as much as possible to narrow down this range and provide a figure as close as possible to reality. However, there is a possibility that the impact has a small deviation from the measured result. Precisely for this reason, the practice is to consider a deviation equal to 15% of the final value to cover for the technical gap.

PRODUCT ANALYSIS - BV4426PQL

Product Infographic:



Conditions of the

Analysis:

The impact arising from raw materials does not include data regarding materials loss rates and wastage during production;

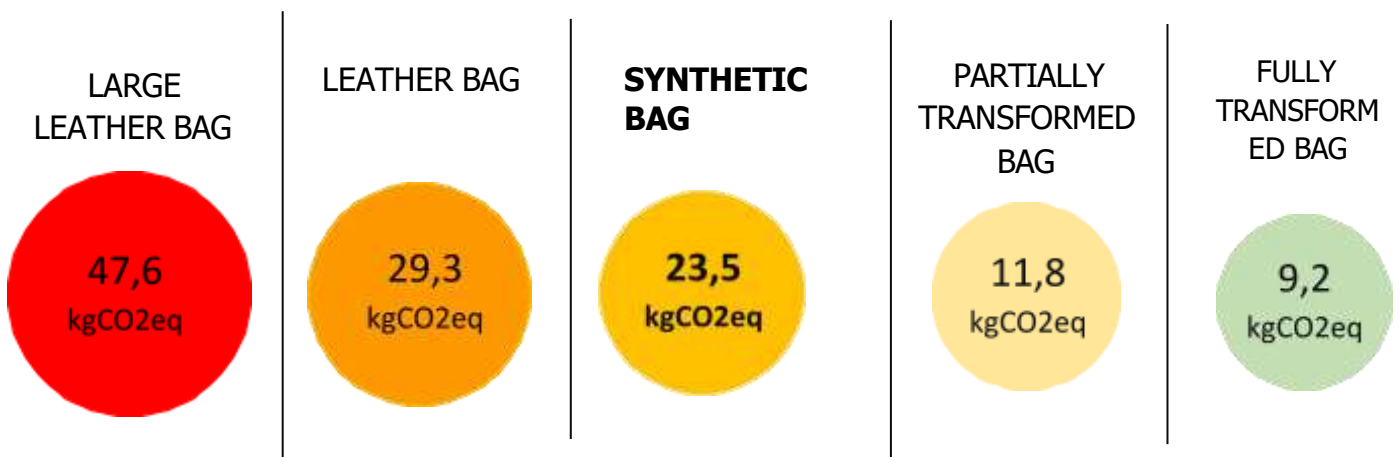
Road transport was the transport mode accounted for in the inbound logistics phase;

The impact attached to packaging does not include secondary packaging;

The impact attached to manufacturing is based on the approximate energy consumption per bag;

Ocean freight and road transport were the transport modes accounted for in the outbound logistics phase.

Product Benchmark:



BV4426PQL

Focus on Raw Materials – Product Carbon Footprint:



The 3 most impactful materials in the bag are:



ACBC is not only
our name but our
Commitment to
sustainability.

**When we say anything can
be changed, we mean it.**

Edoardo Iannuzzi CSO and founder