



Fitbit Ace LTE
Product environmental report



Environmental sustainability at Google

At Google, operating in an environmentally sustainable way has been a core value from the beginning. As our business has evolved to include the manufacturing of electronic products, we've continually expanded our efforts to improve each product's environmental performance and minimize Google's impact on the world around us.

This report details the environmental performance of the Fitbit Ace LTE over its full life cycle, from design and manufacturing through usage and recycling.

Product highlights

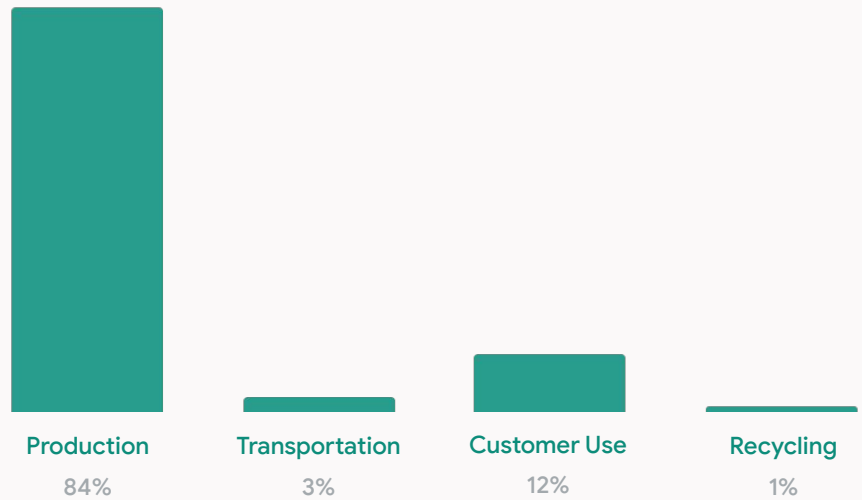
The Fitbit Ace LTE is designed with the following key features to help reduce its environmental impact:

- ✓ PVC-free¹
- ✓ Brominated Flame Retardant (BFR)-free¹
- ♻️ Made with at least 12% recycled materials based on product weight
- ♻️ 100% plastic-free packaging²

Greenhouse Gas (GHG) emissions

The production, transportation, use, and recycling of electronic products generate GHG emissions that can contribute to rising global temperatures. Google conducted a life cycle assessment on this product to identify materials and processes that contribute to GHG emissions, with the goal of minimizing these emissions.

Estimated GHG emissions for Fitbit Ace LTE assuming three years of use:³ 14 kg CO₂e



Energy efficiency

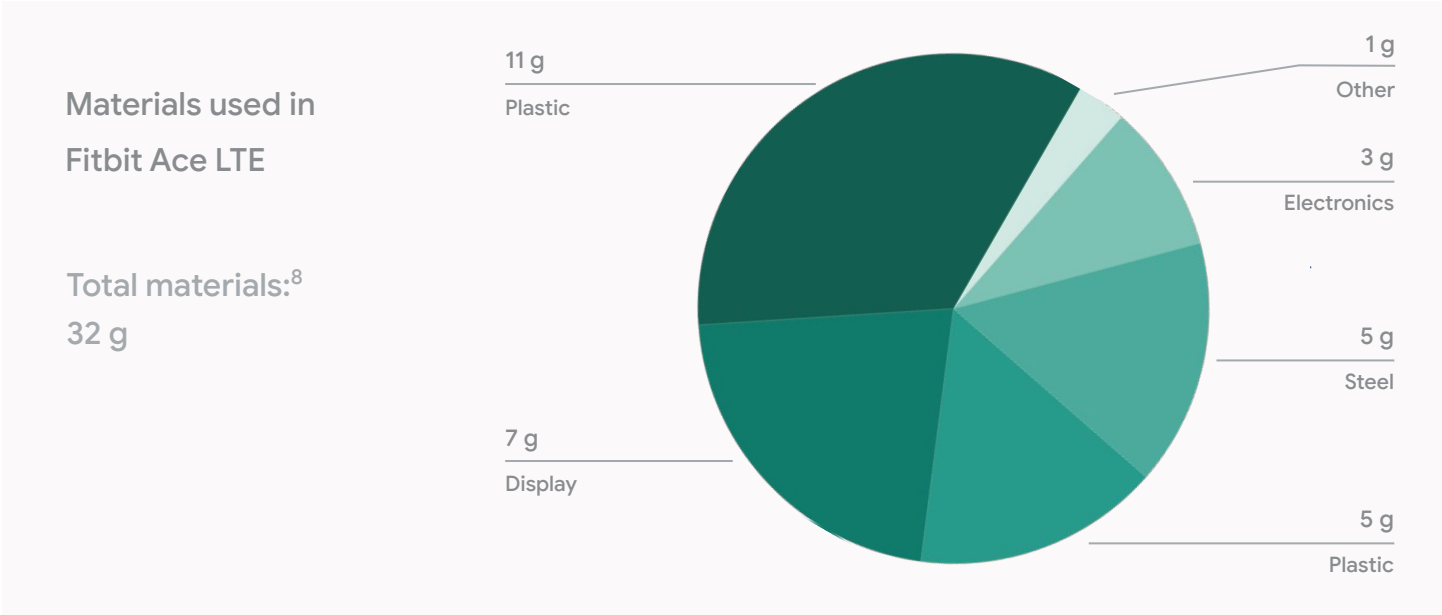
The Fitbit Ace LTE uses incorporates power-management software to maximize battery-charging efficiency and extend battery life during use.

Energy efficiency of Fitbit Ace LTE

	115 V, 60 Hz	230 V, 50 Hz
Standby (battery maintenance mode) power ⁴	0.17 W	0.17 W
Annual energy use estimate ⁵	2 kWh	2 kWh
Annual cost of energy estimate	US\$0.32 ⁶	€0.57 ⁷

Material use

Fitbit Ace LTE is designed to be light and compact. Minimizing the size and weight of the Fitbit Ace LTE allows materials to be used more efficiently, thereby reducing the energy consumed during production and shipping as well as minimizing the amount of packaging.



Recycled materials

- Fitbit Ace LTE is made with recycled plastic, stainless steel, glass, and rare earth elements⁹
- The docking magnets use 100% recycled rare earth elements¹⁰
- The band textile is made with recycled polyester yarn¹¹

Battery

- Lithium-ion

Restricted substances

Historically, many electronic devices contained materials such as lead, mercury, cadmium, and brominated flame retardants that pose environmental and health risks. We designed Fitbit Ace LTE to meet global regulations that restrict harmful substances, including the following:

- ✓ European RoHS Directive restrictions on lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), and four different phthalates (DEHP, BBP, DBP, DIBP)
- ✓ European Battery Directive restrictions on lead, mercury, and cadmium in batteries
- ✓ European Packaging Directive restrictions on lead, mercury, cadmium, and hexavalent chromium in packaging

Voluntary substance restrictions

Fitbit Ace LTE also meets the following voluntary substance restrictions:¹²

- ✓ PVC-free¹
- ✓ Brominated Flame Retardant (BFR)-free¹

Packaging

Packaging for the Fitbit Ace LTE uses 100% plastic-free materials.² We have designed the Fitbit Ace LTE packaging to minimize its weight and volume, which helps conserve natural resources and allows more devices to be transported in a single shipping container.

Ethical sourcing

Google and its subsidiaries are committed to ensuring that working conditions in our operations and in our supply chains are safe, that all workers are treated with respect and dignity, and that business operations are environmentally responsible and ethically conducted. Learn more about our expectations for manufacturing partners in the [Google Supplier Code of Conduct](#), our [2023 Supplier Responsibility Report](#), and our [Conflict Minerals Policy](#).

Learn more

For more information about our environmental sustainability initiatives— including case studies, white papers, and blogs—please see our [Sustainability website](#) and our [2023 Environmental Report](#).

Learn how to recycle your used device in the [Google Store Help](#) section of our website.

Endnotes

1. Google defines its restrictions on harmful substances in the [Google Restricted Substances Specification](#).
2. Based on retail packaging (excluding adhesive materials and required plastics stickers) as shipped by Google. To meet the request of some retail partners, stickers and/or security tags are applied to some packaging variations and may contain plastic.
3. GHG emissions estimates are calculated in accordance with ISO 14040 and ISO 14044 requirements and guidelines for conducting life cycle assessments, and include the production, transportation, use, and recycling of the product, accessories, and packaging.
4. Power measured with device connected to cellular, WiFi, and Bluetooth networks in standby mode with fully charged battery and attached to the power adapter. Tested in accordance with the [U.S. DOE Uniform Test Method for Measuring the Energy Consumption of Battery Chargers](#).
5. Based on average charging of previous generation devices. Actual consumption will vary by user.
6. The average residential cost of energy for U.S. households was \$0.16 per kWh in February 2024 (source: [U.S. Energy Information Agency](#)).
7. The average household cost of energy for consumers in the EU-27 was €0.29 per kWh in the second half of 2023 (source: [Eurostat Statistics Explained](#)).
8. Product material masses are for the Fitbit Ace LTE and in-box band only, excluding packaging and accessories. For the U.S. configuration, an additional 22 g of electronic accessories can be included in-box.
9. These recycled materials are at least 12% of product based on weight.
10. Magnets contain 100% recycled rare earth elements, but the majority of the magnet weight consists of other materials.
11. Yarn is made with 100% recycled polyester, excluding dyes and additives. Recycled yarn is at least 41% of the band based on weight.
12. Google continues to restrict arsenic content in glass, mercury in displays, and heavy metals (lead, cadmium, and mercury) in batteries as listed in [Google's Restricted Substances Specification](#).