SuMPO EPD
Type III Environmental Declaration (EPD)
Registration number： JR-AI-24422E

Japan EPD Program by SuMPO
Sustainable Management Promotion Organization
14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan
https://ecoleaf-label.jp/

3-in-1 Colour LED Printer

DCP-L3527CDW for Europe

BROTHER INDUSTRIES, LTD.

Functional unit

Per unit of product

System boundary

■ final products　□intermediate products

Raw material acquisition - Production - Distribution - Use & maintenance - End-of-Life

Main specifications of the product

Model name: DCP-L3527CDW

Multifunction device (Colour EP method)

Printing Speed:18ppm (A4)

Maximum paper size ：A4

Print/Copy/Scan/Automatic duplex printing

Product weight: 18.5kg, Packaging etc.: 3.6kg

Wireless LAN

* This product is for Europe.

Company Information

Brother Industries, Ltd.

inml-ecoleaf-jimukyoku(at)brother.co.jp

https://global.brother/en

Registration#	JR-AI-24422E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	3/26/2025
Verification date	3/14/2025
Verification method	System certificaion
Verification#	JV-AI-24422E
Expiration date	3/13/2030

PCR review was conducted by:

Approval date	9/1/2023
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

Third party verifier*

Yasuo Koseki

Independent verification of data & declaration in accordance with ISO14025

□internal　■external

*Auditor's name is stated if system certification has been performed.

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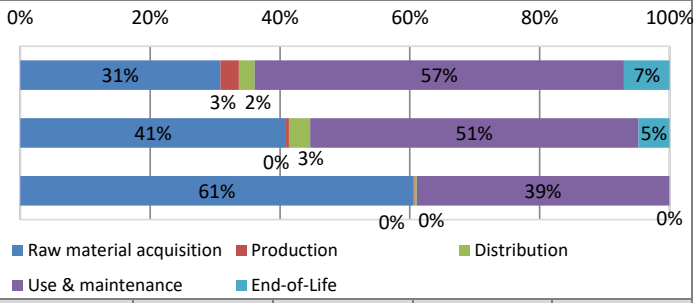
1. Results of life cycle impact assessment (LCIA)

Global warming IPCC2013 GWP100a	520	kg-CO2eq
Acidification	0. 35	kg-SO2eq
Resources consumption	0. 019	kg-Sbeq



Parameter \ stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a	kg-CO_2eq	5.2E+02	1.6E+02	1.5E+01	1.3E+01	3.0E+02	3.7E+01
Acidification	kg-SO_2eq	3.5E-01	1.4E-01	1.5E-03	1.1E-02	1.8E-01	1.7E-02
Resources consumption	kg-Sbeq	1.9E-02	1.1E-02	3.8E-05	5.5E-05	7.2E-03	9.2E-06

2. Life cycle inventory analysis (LCI)

Parameter		Unit
Non-renewable material resources	2.2E+01	kg
Non-renewable energy resources	7.7E+03	MJ
Renewable material resources	6.1E+01	kg
Renewable primary energy	1.8E+02	MJ
Consumption of freshwater	5.9E-01	m^3

3. Material composition

Material		Unit
Steel	4.7E+00	kg
SUS	1.7E-01	kg
Aluminium	3.5E-01	kg
Other metal	4.5E-03	kg
Plastic	1.2E+01	kg
Rubber	2.0E-01	kg
Glass	6.5E-01	kg
Paper and Wood	2.7E+00	kg
Circuit board	7.7E-01	kg
Othres	1.0E+00	kg

5. Additional explanation

Calculation method for usage stage (Scenario) : Multifunction device(EP method), Expected use period: 5 years, Assumed usage: 48,600 sheets, Print measuring method (Pattern): ISO/IEC 19798, Printing paper is not included in the environmental impact, The applied Energy Star program version is 3.0, This product is for Europe.

6-1. Supplementary environmental information

This product and main compornents are produced in ISO 14001 certified factories.

7. Assumptions of secondary data used

Inventory Database: IDEA v2.1.3, and registered data of Japan EPD Program by SuMPO, JLCA data v1.18 are used.

8. Remarks

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- For data quantification, please refer to PCR and Rules on quantification and declaration.
- Comparative assertion is permitted only when Rules on quantification and declaration are satisfied.
  (Reference URL : https://ecoleaf-label.jp/regulation/)