



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-21116E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan

<https://ecoleaf-label.jp/>

brother
at your side

Color Inkjet All-in-One

MFC-J6540DW for North America

BROTHER INDUSTRIES, LTD.



Functional unit

Per unit of product

System boundary

final products intermediate products

Raw material acquisition - Production - Distributor

- Use & maintenance - End-of-Life

Main specifications of the product

Model name: MFC-J6540DW

- Business facsimile(color IJ system)
- Product weight: 18.5kg Packaging etc.: 3.2kg
- Maximum paper size: A3
- Super G3
- Automatic duplex printing
- Wired/Wireless LAN

* This product is for North America.

Company Information

Brother Industries, Ltd.

TEL: 81-52-824-2511 (Representative)

FAX: 81-52-824-5177

<https://www.brother-usa.com/>

Registration#	JR-AI-21116E
PCR number	PA-590000-AI-05
PCR name	Imaging input and/or output equipment
Publication date	8/30/2023
Verification date	3/23/2023
Verification method	System certificaion
Verification#	JV-AI-21116E
Expiration date	3/22/2028
PCR review was conducted by:	
Approval date	01/06/2023
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

Third party verifier*

Yasuo Koseki

Independent verification of data & declaration in accordance with ISO14025

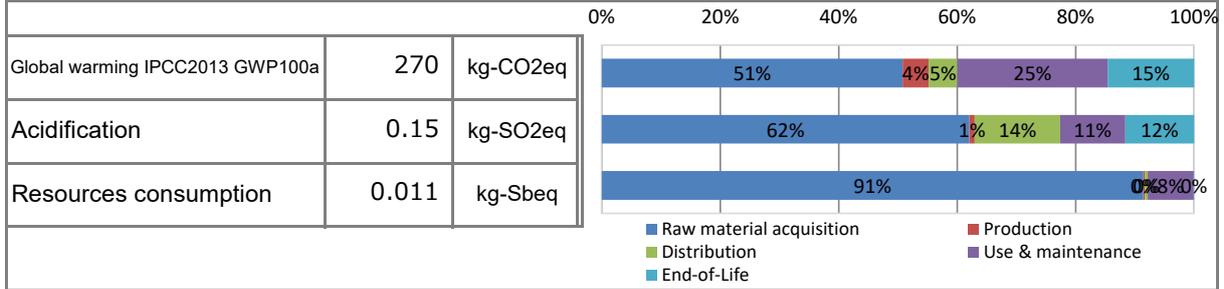
internal external

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

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1. Results of life cycle impact assessment (LCIA)



Parameter	stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a		kg-CO ₂ eq	2.7E+02	1.4E+02	1.2E+01	1.3E+01	6.8E+01	3.9E+01
Acidification		kg-SO ₂ eq	1.5E-01	9.4E-02	1.4E-03	2.2E-02	1.7E-02	1.8E-02
Resources consumption		kg-Sbeq	1.1E-02	1.0E-02	3.2E-05	5.4E-05	8.7E-04	9.1E-06

2. Life cycle inventory analysis (LCI)

Parameter	Value	Unit
Non-renewable material resources	1.2E+01	kg
Non-renewable energy resources	4.0E+03	MJ
Renewable material resources	2.7E+01	kg
Renewable primary energy	2.0E+02	MJ
Consumption of freshwater	2.3E-01	m ³

3. Material composition

Material	Value	Unit
Steel	3.8E+00	kg
SUS	7.2E-02	kg
Aluminium	1.2E-02	kg
Other metal	5.6E-06	kg
Plastic	1.2E+01	kg
Rubber	4.5E-02	kg
Glass	1.2E+00	kg
Paper and Wood	2.4E+00	kg
Circuit board	6.5E-01	kg
Othres	1.1E+00	kg



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5. Additional explanation

Calculation method for usage stage (Scenario) : Facsimile (Business model), Expected use period: 5 years, Transmission / Reception: 48,000 each, Use pattern when measuring power: ITU-T No.1 chart, Printing paper is not included in the environmental impact, This product is for North America.

6-1. Supplementary environmental information

This product and main components are produced in our 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 v1.10 are used.

8. Remarks

- 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/>)

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