



SuMPO EPD
Type III Environmental Declaration (EPD)

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization
14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan
<https://ecoleaf-label.jp/>

Registration number : JR-AI-25484E



SHARP

Sharp Corporation

DIGITAL FULL COLOR PRINTER

BP-C542PW (EU)

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 : BP-C542PW

Marking technologies : Electrophotographic Printer (EP)

Print speed : Monochrome 42prints/minute (A4)

Full-color 42prints/minute (A4)

Maximum Paper Size : A4

Print : Standard

Duplex printing : Standard

Company Information

SHARP CORPORATION

Smart Business Solutions BU

E-mail : ECOLEAF-BS@sharp.co.jp

Registration#	JR-AI-25484E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	16 March 2026
Verification date	02 March 2026
Verification method	System certification
Verification#	FV-08-26001
Expiration date	01 March 2031
PCR review was conducted by:	
Approval date	01 September 2023
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

Third party verifier*

Shouko Hashizume

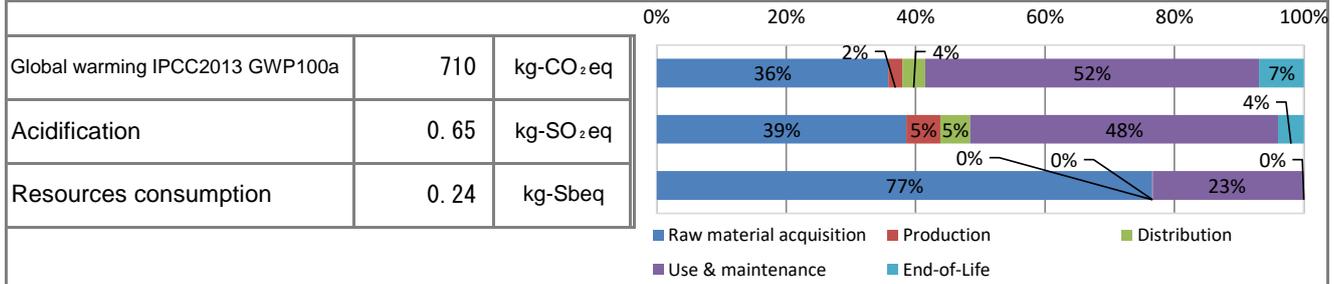
Independent verification of data & declaration in
accordance with ISO14025

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	7.1E+02	2.5E+02	1.5E+01	2.5E+01	3.7E+02	4.9E+01
Acidification		kg-SO ₂ eq	6.5E-01	2.5E-01	3.4E-02	3.0E-02	3.1E-01	2.6E-02
Resources consumption		kg-Sbeq	2.4E-01	1.9E-01	8.6E-05	1.1E-04	5.7E-02	5.1E-05

2. Life cycle inventory analysis (LCI)

Parameter	Value	Unit
Non-renewable material resources	3.4E+01	kg
Renewable material resources	1.5E+02	kg

3. Material composition

Material	Value	Unit
Steel	1.2E+01	kg
SUS	3.1E-01	kg
Aluminium	3.9E-01	kg
Other metal	5.3E-01	kg
Plastic	1.5E+01	kg
Rubber	3.2E-02	kg
Glass	3.4E-01	kg
Paper · Wood	3.3E+00	kg
Circuit Board	9.1E-01	kg
Others	3.3E+00	kg

5. Additional explanation

- Product destination: Europe
 - Calculation method of use stage (scenario)
 - Expected usage period: five years
 - Estimated number of use : 259,200 sheets
 $32 \text{ (Jobs/Day)} \times 27 \text{ (Sheets/Job)} \div 4 \times 5 \text{ (Days/Week)} \times 4 \text{ (Weeks/Month)} \times 12 \text{ (Months/Year)} \times 5 \text{ (Years)}$
 $= 259,200 \text{ sheets}$
 - The impact of paper for printing is not included.
 - Products selected in the scenario used for inventory calculation : Printer (EP)
- ※ Calculated according to the ENERGY STAR® Ver.3.0 program.

6-1. Supplementary environmental information

- Assembly and production of this product, as well as production of the photoconductor and toner, which are the main components, are performed at ISO 14001-certified factories.

7. Assumptions of secondary data used

IDEA v3.1.0 and Japan EPD Program by SuMPO Registry data v1.15

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/>)
- This is a selfdeclared translation of EPD that can be accessed at <https://ecoleaf-label.jp/epd/2841> and is published for convenience purposes. Only the original EPD is valid and binding between parties.