



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-22203E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

2-1, Kaji-cho 2 chome, Chiyoda-ku, Tokyo Japan

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



SHARP

Sharp Corporation

DIGITAL MULTIFUNCTIONAL SYSTEM

BP-70M45

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-70M45

Marking technologies : Electrophotographic Printer (EP)

Print speed :

Maximum Paper Size : A3W

Duplex copying : Standard

Company Information

SHARP CORPORATION

Smart Business Solutions BU

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

Registration#	JR-AI-22203E
PCR number	PA--590000-AI-04
PCR name	Imaging input and/or output equipment
Publication date	9/20/2022
Verification date	9/7/2022
Verification method	Product-by-product
Verification#	JV-AI-22203
Expiration date	9/6/2027
PCR review was conducted by:	
Approval date	4/1/2022
PCR review panel chair	Masayuki Kanzaki (Sustainable Management Promotion Organization)

Third party verifier*

Takahiro Atoh

Independent verification of data & declaration in
accordance with ISO14025

internal

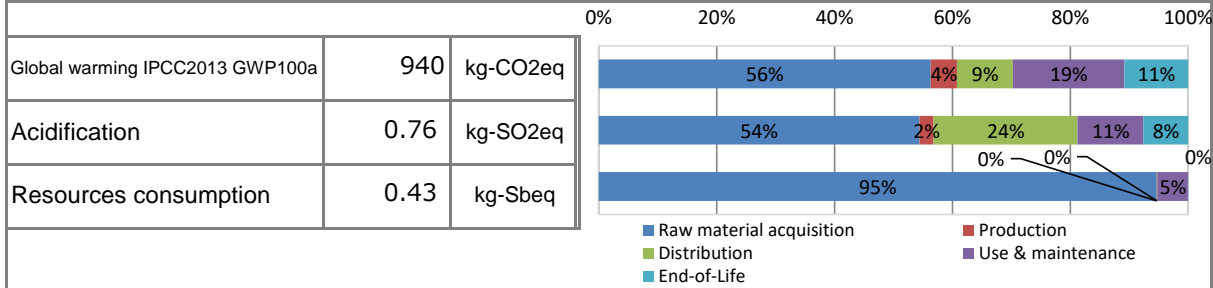
external

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

Registration number : JR-AI-22203E



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	9.4E+02	5.3E+02	4.2E+01	8.9E+01	1.8E+02	1.0E+02
Acidification		kg-SO ₂ eq	7.6E-01	4.1E-01	1.8E-02	1.9E-01	8.5E-02	5.8E-02
Resources consumption		kg-Sbeq	4.3E-01	4.1E-01	1.2E-04	3.7E-04	2.3E-02	9.8E-05

2. Life cycle inventory analysis (LCI)

項目	Unit	単位
Non-renewable material resources	5.5E+01	kg
Renewable material resources	1.1E+02	kg

3. Material composition

Material	Unit
Steel	3.1E+01 kg
SUS	1.5E+00 kg
Aluminium	1.9E-01 kg
Other metal	2.1E-01 kg
Plastic	3.0E+01 kg
Rubber	2.2E-01 kg
Glass	1.9E+00 kg
Paper · Wood	1.3E+01 kg
Circuit Board	2.0E+00 kg
Others	4.8E+00 kg

5. Additional explanation

- Product destination: North America
 - Calculation method of use stage (scenario)
 - Expected usage period: five years
 - Estimated number of use : 297,600 sheets
 $32 \text{ (Jobs/Day)} \times 31 \text{ (Sheets/Job)} \times 5 \text{ (Days/Week)} \times 4 \text{ (Weeks/Month)} \times 12 \text{ (Months/Year)} \times 5 \text{ (Years)} = 297,600 \text{ sheets}$
 - STAND/550&2100 SHEET PAPER DRAWER and FINISHER are optional, their impact is not included.
 - The impact of paper for printing is not included.
 - Products selected in the scenario used for inventory calculation : Multifunction device (EP)
- ※ Conforms to the International ENERGY STAR® Program Ver.3.0.



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-22203E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

2-1, Kaji-cho 2 chome, Chiyoda-ku, Tokyo Japan

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

6-1. Supplementary environmental information

- Conforms to the International ENERGY STAR® Program Ver.3.0.
- Compliant with European RoHS regulations.
- 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 v2.1.3 and Japan EPD Program by SuMPO Registry data v1.11

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/>)

Registration number : JR-AI-22203E