



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-22201E-A

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-70M65**



**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-70M65

Marking technologies : Electrophotographic Printer (EP)

Print speed : Monochrome 65prints/minute (A4)

Maximum Paper Size : A3W

Duplex copying : Standard

**Company Information**

SHARP CORPORATION

Smart Business Solutions BU

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

<b>Registration#</b>	JR-AI-22201E-A
<b>PCR number</b>	PA--590000-AI-04
<b>PCR name</b>	Imaging input and/or output equipment
<b>Publication date</b>	9/20/2022
<b>Verification date</b>	9/7/2022
<b>Verification method</b>	Product-by-product
<b>Verification#</b>	JV-AI-22201
<b>Expiration date</b>	9/6/2027
<b>PCR review was conducted by:</b>	
<b>Approval date</b>	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

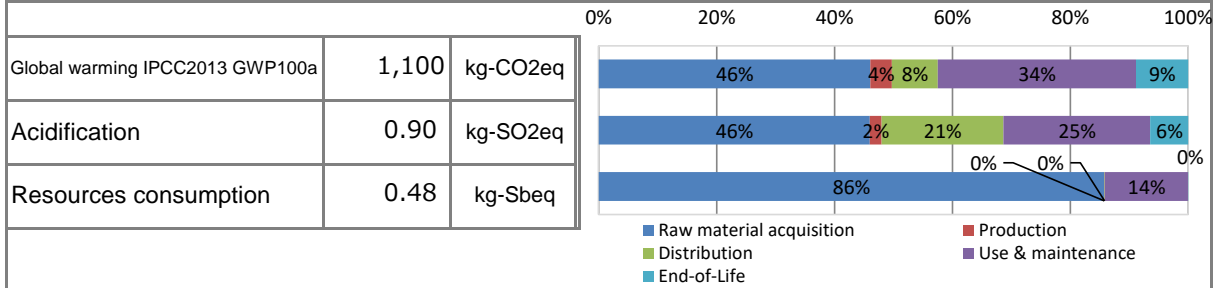
external

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

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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 <sub>2</sub> eq	1.1E+03	5.3E+02	4.2E+01	8.9E+01	3.9E+02	1.0E+02
Acidification		kg-SO <sub>2</sub> eq	9.0E-01	4.1E-01	1.8E-02	1.9E-01	2.2E-01	5.8E-02
Resources consumption		kg-Sbeq	4.8E-01	4.1E-01	1.2E-04	3.7E-04	6.7E-02	9.8E-05

**2. Life cycle inventory analysis (LCI)**

Parameter	Value	Unit
Non-renewable material resources	6.0E+01	kg
Renewable material resources	1.3E+02	kg

**3. Material composition**

Material	Value	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 : 633,600 sheets
$$32 \text{ (Jobs/Day)} \times 66 \text{ (Sheets/Job)} \times 5 \text{ (Days/Week)} \times 4 \text{ (Weeks/Month)} \times 12 \text{ (Months/Year)} \times 5 \text{ (Years)} = 633,600 \text{ sheets}$$
  - LARGE CAPACITY TRAY, EXIT TRAY UNIT, SADDLE STITCH FINISHER, FOLDING UNIT, and STAND/550&2100 SHEET PAPER DRAWER 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.



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#### 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

Revised on December 9th, 2022.

Fixed entry leakage of print speed.

- 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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