EcoLeaf

Type III Environmental Declaration (EPD)

Registration number： JR-AI-22205E-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-70M31

Functional unit

Per unit of product

System boundary

■ final products　□intermediate products

Raw material acquision, Production, Distribution, Use & maintenance, End-of-Life

Main specifications of the product

Model name : BP-70M31

Marking technologies : Electrophotographic Printer (EP)

Print speed :Monochrome 31prints/minute (A4)

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-22205E-A
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-22205
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.

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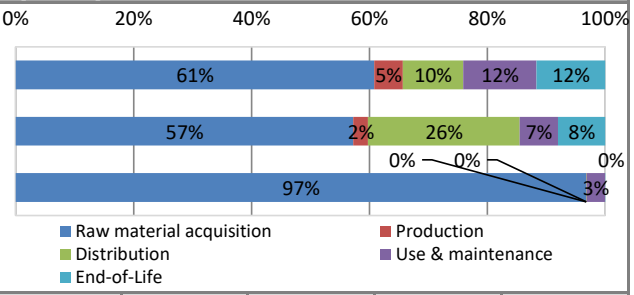
1. Results of life cycle impact assessment (LCIA)

Global warming IPCC2013 GWP100a	870	kg-CO2eq
Acidification	0.72	kg-SO2eq
Resources consumption	0.42	kg-Sbeq



Parameter \ stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a	kg-CO_2eq	8.7E+02	5.3E+02	4.2E+01	8.9E+01	1.1E+02	1.0E+02
Acidification	kg-SO_2eq	7.2E-01	4.1E-01	1.8E-02	1.9E-01	4.7E-02	5.8E-02
Resources consumption	kg-Sbeq	4.2E-01	4.1E-01	1.2E-04	3.7E-04	1.3E-02	9.8E-05

2. Life cycle inventory analysis (LCI)

Parameter		Unit
Non-renewable material resources	5.5E+01	kg
Renewable material resources	9.9E+01	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 : 139,500 sheets

　31 (Jobs/Day) × 15 (Sheets/Job) × 5 (Days/Week) × 4 (Weeks/Month) × 12 (Months/Year) × 5 (Years) = 139,500 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.

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/）