



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-23023E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

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

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

PFU Limited

RICOH

RICOH Image Scanner fi-8190



Functional unit

Per product

System boundary

final products intermediate products

Raw material

acquisition, Production, Distribution,

Use & maintenance, End-of-Life

Main specifications of the product

Product name RICOH Image Scanner fi-8190

Product Category : Sheet-fed scanner (Without Flat-bed)
For Business

Scanning Speed : Simplex or Duplex, 90 ppm(180 ipm)

Scanning Size : 215.9mm × 355.6mm (8.5in × 14in)

Scanning Method : CIS

*This product is for United States.

Company Information

PFU Limited Imaging Service & Support center

E-mail: scanners@ml.ricoh.com

Registration#	JR-AI-23023E
PCR number	PA-590000-AI-05
PCR name	Imaging input and/or output equipment
Publication date	4/7/2023
Verification date	1/13/2023
Verification method	Product-by-product
Verification#	JV-AI-23023
Expiration date	1/12/2028
PCR review was conducted by:	
Approval date	1/6/2023
PCR review panel chair	Masayuki Kanzaki (SuMPO)

Third party verifier*

Yuki Sakamoto

Independent verification of data & declaration in accordance with ISO14025

internal

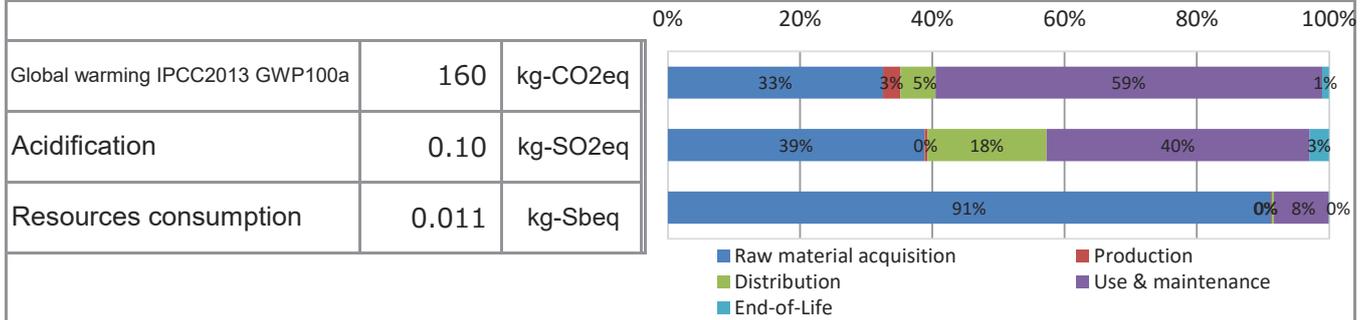
external

*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	1.6E+02	5.2E+01	4.2E+00	8.3E+00	9.3E+01	1.6E+00
Acidification		kg-SO ₂ eq	1.0E-01	3.9E-02	4.6E-04	1.8E-02	4.0E-02	2.9E-03
Resources consumption		kg-Sbeq	1.1E-02	9.9E-03	1.6E-05	3.5E-05	8.9E-04	6.8E-06

2. Life cycle inventory analysis (LCI)

項目	Value	單位
Non-renewable material resources	3.9E+00	kg
Renewable material resources	1.1E+01	kg

3. Material composition

Material	Value	Unit
Ordinary steel	6.9E-01	kg
SUS	2.9E-01	kg
Aluminum	6.6E-04	kg
Other metals	6.1E-02	kg
Plastic	2.4E+00	kg
Rubber	2.2E-02	kg
Glass	4.3E-02	kg
Paper and Wood	2.2E+00	kg
Circuit Board	2.8E-01	kg
Others	5.7E-01	kg



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5. Additional explanation

Product selected for the scenario used for load calculation - Sheet-fed scanner

Product Destination: United States

Calculation method for the use phase

- Scans per day: 12,000 sheets/day (5 scans/day)
- Workdays per month: 20 days/month
- Working days per year: 240 days/year
- Expected usage period: 5 years
- Total scans: 6000 times (14,400,000 sheets)/5 years

6-1. Supplementary environmental information

Compliant with the International Energy Star Program Ver.3.1. It also complies with the European RoHS Directive.

7. Assumptions of secondary data used

Inventory Database: IDEA v2.1.3, and registered data of EcoLeaf Environmental Labeling Program, JLCA datav1.10 are used.

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/>)

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