



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-21049E

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization

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

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

Black and White MFP (Electrophotography)

RICOH COMPANY,LTD

PRO 8310S

RICOH
imagine. change.



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: PRO 8310S Product destination: NA

Main specifications:

Black and White MFP (Electrophotography)

Print Speed : 111 prints/minute (A4)

Maximum Paper Size : 11" x 17"

Included Units in Assessment : Automatic Reversing

Document Feeder, Automatic Duplexing Unit

Company Information

RICOH COMPANY,LTD

Tel:(03) 3777-8111

Registration#	JR-AI-21049E
PCR number	PA-590000-AI-03
PCR name	Imaging input and/or output equipment
Publication date	4/16/2021
Verification date	4/2/2021
Verification method	System certificaion
Verification#	JV-AI-20121
Expiration date	4/1/2026
PCR review was conducted by:	
Approval date	11/8/2019
PCR review panel chair	Masayuki Kanzaki (SuMPO)

Third party verifier*

Yasuo Koseki

Independent verification of data & declaration in accordance with ISO14025

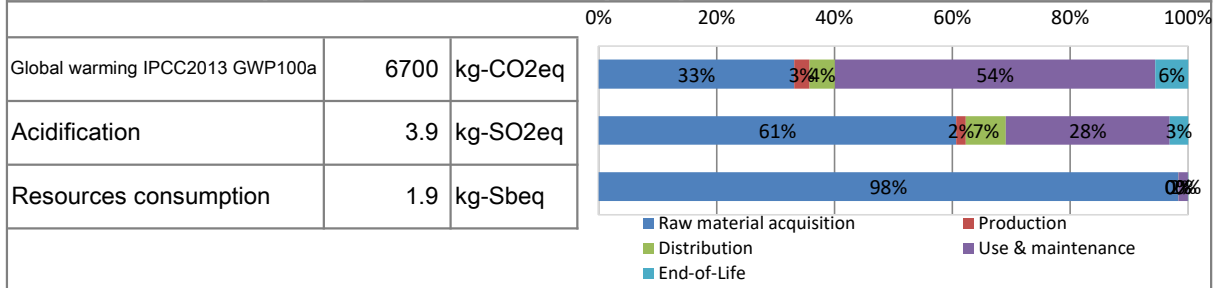
internal external

*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				
				Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a		kg-CO ₂ eq	6.7E+03	2.2E+03	1.8E+02	2.9E+02	3.7E+03	3.8E+02
Acidification		kg-SO ₂ eq	3.9E+00	2.3E+00	6.4E-02	2.6E-01	1.1E+00	1.2E-01
Resources consumption		kg-Sbeq	1.9E+00	1.9E+00	7.5E-04	1.2E-03	3.1E-02	2.0E-04

2. Life cycle inventory analysis (LCI)

Parameter	Unit	Unit
Non-renewable material resources	5.0E+02	kg
Renewable material resources	5.6E+02	kg

3. Material composition

Material	Unit	Unit
SUS	9.2	kg
Aluminum	12.0	kg
Ordinary steel	329.4	kg
Other metals	13.0	kg
Thermoplastic resin	50.7	kg
Thermosetting resin	4.9	kg
Glass	4.9	kg
Rubber	1.4	kg
Paper	31.6	kg
Lubricant	0.1	kg
Mounting circuit board	4.0	kg
Wood	0.0	kg

5. Additional explanation

-Products selected in the scenario used for load calculation
 --Multifunction device (EP)
 • Product destination: NA ※
 ※Transportation scenarios are for China, Thailand, and Ricoh Group.from three production sites in Japan, North America, Europe, on transportation routes to the five poles of China, Oceania and Japan transport load calculate the weighted average of transportation activity per kg of product from the total calculated using the annual production volume for each pole .
 Then, it is used as a transportation unit of calculation.
 • Expected usage period: 5 years
 • Estimated number of sheets:7372800 sheets ※
 ※Compatible with International Energy Star Program Ver.2.0
 -The load on the image output medium (printing paper) is not included.

*Data derived from LCA and not assigned to the impact categories of LCIA



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6-1. Supplementary environmental information

Compliant with the International Energy Star Program Ver.2.0. It also complies with the European RoHS Directive.

Assembly production of this product and production of the main parts, photoconductor and toner, are carried out at an ISO14001 certified

7. Assumptions of secondary data used

IDEA v2.1.3 is used and registration data and JLCA data v1.10 are used.

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/>)

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