EcoLeaf
Type III Environmental Declaration (EPD)
Registration number： JR-AI-22229E

Japan EPD Program by SuMPO
Sustainable Management Promotion Organization
2-1, Kaji-cho 2 chome, Chiyoda-ku, Tokyo Japan
https://ecoleaf-label.jp/

TOSHIBA
Toshiba Tec Corporation

Multifunctional Digital Color Systems

e-STUDIO3025AC

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: e-STUDIO3025AC

■Digital Color MFD（EP Type）

■Print speed: Color 30ppm（LT）
Monochrome 30ppm（LT）

■Maximum paper size: LD

■Automatic duplex printing

Company Information

Toshiba Tec Corporation
Engineering Planning Group
Engineering Planning Dept.
TEL: +81-55-976-7011
https://www.toshibatec.co.jp/

Registration#	JR-AI-22229E
PCR number	PA-590000-AI-04
PCR name	Imaging input and/or output equipment
Publication date	12/19/2022
Verification date	11/25/2022
Verification method	Product-by-product
Verification#	JV-AI-22229
Expiration date	11/24/2027

PCR review was conducted by:

Approval date	4/1/2022
PCR review panel chair	Masayuki Kanzaki (Sustainable Management Promotion Organization)

Third party verifier*

Hiroyuki Nakamura

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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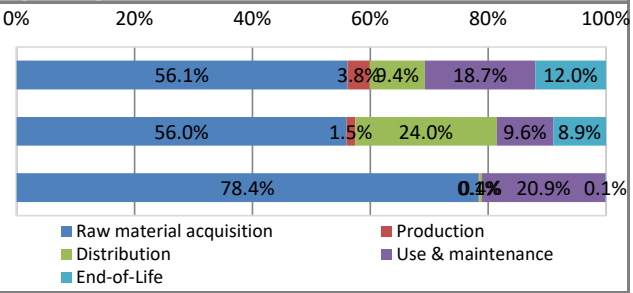
1. Results of life cycle impact assessment (LCIA)

Global warming IPCC2013 GWP100a	910	kg-CO2eq
Acidification	0.69	kg-SO2eq
Resources consumption	0.081	kg-Sbeq



Parameter \ stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a	kg-CO_2eq	9.1E+02	5.1E+02	3.5E+01	8.5E+01	1.7E+02	1.1E+02
Ozone layer destruction	kg-CFC-11eq	6.4E-05	5.2E-05	3.2E-08	6.4E-10	1.0E-05	1.3E-06
Acidification	kg-SO_2eq	6.9E-01	3.8E-01	1.0E-02	1.7E-01	6.6E-02	6.1E-02
Urban area air pollution	kg-SO_2eq	4.0E-01	2.6E-01	5.4E-03	6.3E-02	3.8E-02	2.6E-02
Photochemical ozone	kg-C_2H_4eq	7.3E-03	5.9E-03	6.3E-05	3.4E-04	8.3E-04	2.0E-04
Toxic chemicals(cancer)	kg-C_6H_6eq	1.3E-01	1.2E-01	2.7E-06	2.5E-08	4.0E-03	3.1E-05
Toxic chemicals(chronic disease)	kg-C_6H_6eq	7.0E-04	6.6E-04	4.0E-07	3.7E-09	3.3E-05	4.6E-06
Aquatic toxicity	kg-C_6H_6eq	8.6E-01	8.1E-01	6.1E-04	5.7E-06	4.6E-02	7.0E-03
Biological toxity	kg-C_6H_6eq	3.8E+01	3.6E+01	1.5E-02	1.4E-04	1.4E+00	1.7E-01
Eutrophication	kg-PO_4^{3-}eq	3.3E-03	4.1E-05	2.9E-03	5.6E-13	2.1E-04	1.9E-04
Land use(Occupation)	m^2/year	3.9E+01	3.3E+01	1.6E-01	4.0E+00	1.9E+00	3.1E-01
Land use(Transformation)	m^2	5.8E-01	4.5E-01	3.3E-03	8.1E-02	3.5E-02	6.3E-03
Resources consumption	kg-Sbeq	8.1E-02	6.3E-02	1.0E-04	3.6E-04	1.7E-02	7.1E-05

2. Life cycle inventory analysis (LCI)

項目		単位
Non-renewable material resources	5.7E+01	kg
Non-renewable energy resources	1.4E+04	MJ
Renewable material resources	1.2E+02	kg
Renewable primary energy	2.5E+02	MJ

3. Material composition

Material		Unit
Ordinary steel	4.0E+01	kg
SUS	6.7E-01	kg
Other metals	1.5E+00	kg
Aluminium	4.6E-01	kg
Glass	2.8E+00	kg
Thermoplastic resin	2.7E+01	kg
Thermosetting resin	2.1E-01	kg
Rubber	9.4E-01	kg
Paper	8.6E+00	kg
Wood	5.3E+00	kg
Circuit Board	2.0E+00	kg
Medium-sized motor	2.7E+00	kg

5. Additional explanation

-Product destination: United states of america
-Calculation method of use stage (scenario)
- Expected usage period: five years
- Estimated number of use: 135,000 sheets*
- Print measuring method (pattern): ISO/IEC 19798
- Automatic Document Feeder and Paper Feed Pedestal is optional,its imapact is not included.
- Inventory of the print paper is not included

- Products selected in the scenario used for Inventory
- Multifunction device (EP type)

* Electric power in the use and maintenance stage is evaluated using TEC value according to International ENERGY STAR program Version3.1 and the public electric-power-consumption-rate in the United States.
(30 jobs/day) x (15 sheets/job) x (1/4) x 5days x 4weeks x12months x5years = 135,000 sheets

6-1. Supplementary environmental information

-This product is produced in our ISO 14001 certified factories.
-ENERGY STAR®Ver.3.1 qualified.
-EU RoHS2 compliant.

7. Assumptions of secondary data used

-Inventory Database:LCI Database IDEA V2.1.3,Japan EPD Program by SuMPO registered data V1.10.

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/)