Product Environmental Aspects Declaration

EP and IJ printer (PCR-ID:AD-04)



No. AD-20-E1185 Date of publication 3/13/2020



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This product is for USA.

TASKalfa 358ci

Making Technology:Electrophotographic Printer (EP)
Printng Speed: Monoclome 35Pages per minute in A4
Color 35 Pages per minute in A4

Maximum priting paper: A4

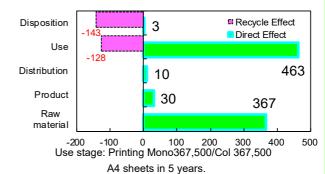
<u>Duplex function: Standard</u>

The Environmental load for life-cycle

| Consumption and discharge in a life cycle | All the stage sum totals |
|--|--------------------------|
| Global Warming (CO2 equivalent) | 873kg (603kg) |
| Acidification (SO ₂ equivalent) | 1.3kg (0.8kg) |
| Energy resources (crude oil equivalent) | 18,381MJ (12,698MJ) |

※Figures in () indicated environmental impact including recycle effect *note3

Warming load CO2 equivalent of each stage[kg]



The environmental load of sheet in "Use" stage is not included in above data.

Notes:

- 1. Original LCA data is available on PEIDS: Product Environmental Information Declaration Sheet, and Product Data Sheet.
- 2. Unified rules and requirements for EcoLeaf LCA, for intended product category, are available as a PCR: Product Specification Criteria. Visit EcoLeaf website under homepage at http://www.ecoleaf-jemai.jp/eng/pcr.html for details.
- 3. Recycle Effect illustrates an indirect influence to other products/services.
- 4. Basic Units used for calculations are based on Japan domestic data at this time, due to a lack of base data to establish localized Basic Unit for overseas locations adequately.
- 5. This declaration was produced using Product Category Rule intended for a product model sold in the Japanese market and using the qualitative and quantitative data collected in Japan.

[Supplemental environmental information]

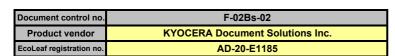
- ●Conformed to the International ENERGY STAR® Program.
- Manufactured at ISO14001 certified factories.
- Plastic housing and outer package: halogenated flame retardants are not used.

PCR review was conducted by : PCR Deliberation Committee, January 01,2008, Name of reprentative : Youji Uchiyama, Independent verification of the declaration and data, according to ISO14025:2006 ☐ internal ■external Third party verifier: < name of the third party verifier *> Hiroo Sakazaki

Programme operatorSustainable Management Promotion Organization ecoleaf@sumpo.or.jp

^{*} In the case of an business entity certified as an Ecoleaf-data-collection system, the names of certification auditors are written.

Product Environmental Information Data Sheet (PEIDS)





| PCR name | EP and IJ print | Product type | TASKalfa 358ci | | | | |
|----------|-----------------|---------------------|----------------|--------------|------|-------------------|-------|
| PCR code | AD-04 | Product weight (kg) | 55.34 | Package (kg) | 12.5 | Weight total (kg) | 67.84 |

| Energy Consumption MJ 6.46E+03 5.42E+02 1.38E+02 1.3EE+04 3.40E+01 -5.68E+03 1.30E+02 3.29E+01 2.68E+03 8.12E+00 -1.36E+03 3.29E+01 2.68E+01 -1.36E+03 3.29E+01 6.51E-01 -5.46E+01 2.50E+03 2.25E+01 6.51E-01 -5.46E+01 2.50E+03 2.25E+01 6.51E-01 -5.46E+01 2.50E+03 2.25E+01 6.51E-01 -5.46E+01 2.50E+03 2.25E+03 2.25E+06 2.25E+04 2.88E+01 0 0 0 0 5.28E+01 0 0 -4.20E+01 2.25E+01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | _ | _ | | Life Cycle Stage | 11.2 | Produ | uction | B: () (| | D: ''' | Recycle |
|--|---------|----------|-------|-------------|---|------|--------------|----------|--------------|----------|-------------|-----------|
| Second Content of an ore Kg 1.39E-01 0 0 0 0 0 0 0 0 0 | In/O | ut iten | ns | | | Unit | Raw material | Product | Distribution | Use | Disposition | , |
| Second Content of an ore | | | - Cr | oray C | Consumption | MJ | | 5.42E+02 | | 1.12E+04 | 3.40E+01 | -5.68E+03 |
| Second S | | | | leigy C | onsumption | Mcal | 1.54E+03 | 1.30E+02 | 3.29E+01 | 2.68E+03 | 8.12E+00 | -1.36E+03 |
| Second Color Col | | | | ces | Coal | kg | 4.10E+01 | 3.86E+00 | 3.22E-04 | 4.41E+01 | 3.48E-02 | -3.02E+01 |
| Second S | | | | mos a | Crude oil (for fuel) | kg | 6.88E+01 | 4.35E+00 | 3.01E+00 | 9.52E+01 | 6.51E-01 | -5.46E+01 |
| Courte of (or material) Kg 1.92E-01 0 0 4.38E+01 0 4.20E+01 | | | | gyr | LNG | kg | 1.28E+01 | 1.99E+00 | 4.65E-02 | 2.70E+01 | 2.68E-02 | -5.32E+00 |
| Ton content of an ore kg 1,34E+00 0 0 0,63F+00 0 0,280E+01 0 0 0,0 0,37E+02 0 0,230E+00 0 0 0,0 0,37E+02 0 0,230E+00 0 0 0,37E+00 0 0 0 0,37E+00 0 0 0,37E+00 0 0 0 0,37E+00 0 0 0 0,37E+00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | Ë | | Ene | Uranium content of an ore | kg | 1.39E-03 | 2.61E-04 | 2.18E-08 | 2.50E-03 | 2.35E-06 | -2.53E-04 |
| Second S | | | | | Crude oil (for material) | kg | 1.92E+01 | 0 | 0 | 4.38E+01 | 0 | -4.20E+01 |
| Second S | | | | | Iron content of an ore | kg | 2.32E+01 | 0 | 0 | 6.93E+00 | 0 | -2.80E+01 |
| Second S | | ш | Se | | Cu content of an ore | kg | 1.34E+00 | 0 | 0 | 6.37E-02 | 0 | -2.30E+00 |
| Second S | | su | ă | | Al content of an ore | kg | 6.87E-01 | 0 | 0 | 5.26E-01 | 0 | -1.04E+00 |
| Second S | | on | SSC | ý | Ni content of an ore | kg | 8.51E-02 | 0 | 0 | 4.40E-02 | 0 | -1.29E-01 |
| Solice S | | | 9 | çe | C content of an ore | kg | 1.23E-01 | 0 | 0 | 6.20E-02 | 0 | -1.84E-01 |
| Solice S | | Se | ple | 'n | Mn content of an ore | | 1.25E-01 | 0 | 0 | 4.38E-02 | 0 | -4.25E-02 |
| Solice S | | Inc | sti | eso | Pb content of an ore | kg | 7.82E-02 | 0 | 0 | 5.11E-03 | 0 | -1.87E-01 |
| Solice S | | esc | an | = | Sn content of an ore | | 0 | 0 | 0 | 0 | 0 | 0 |
| Solice S | | Ř | Ϋ́ | eral | Zn content of an ore | | 7.69E-01 | 0 | 0 | 5.03E-02 | | -1.83E+00 |
| Solice S | | by | ш | ii. | Au content of an ore | kg | 0 | 0 | 0 | 0 | 0 | 0 |
| Limestone | | <u>ت</u> | | Σ | Ag content of an ore | kg | 0 | 0 | 0 | | 0 | |
| Limestone | တ္သ | pa | | | Silica Sand | | 2.27E+00 | 0 | 0 | 2.07E-01 | 0 | -1.75E+00 |
| Wood kg 3.69E+01 0 0 8.19E+01 0 -1.19E+02 | se/ | <u> </u> | | | Halite | kg | 1.01E+01 | 0 | 0 | 1.46E+00 | 3.22E-04 | -9.47E+00 |
| Wood kg 3.69E+01 0 0 8.19E+01 0 -1.19E+02 | aj) | | | | Limestone | kg | 5.83E+00 | 0 | 0 | 1.53E+00 | 2.08E-02 | -5.05E+00 |
| Nox kg 4.46E-01 1.81E-02 2.98E-02 5.30E-01 2.04E-01 2.07E-03 1.35E-01 2.07E-03 1.35E-02 3.92E-05 -2.84E-02 2.07E-05 -2.84E-02 2.07E-05 -2.84E-02 2.07E-05 -2.84E-02 2.07E-05 -2.84E-02 2.07E-03 2.07 | an | | | | Natural soda ash | kg | 1.99E-01 | 0 | 0 | 1.22E-02 | 0 | -1.06E-01 |
| Nox kg 4.46E-01 1.81E-02 2.98E-02 5.30E-01 2.04E-01 2.07E-03 1.35E-01 2.07E-03 1.35E-02 3.92E-05 -2.84E-02 2.07E-05 -2.84E-02 2.07E-05 -2.84E-02 2.07E-05 -2.84E-02 2.07E-05 -2.84E-02 2.07E-03 2.07 | <u></u> | | | Sa company | Wood | kg | 3.69E+01 | 0 | 0 | 8.19E+01 | 0 | -1.19E+02 |
| Nox kg 4.46E-01 1.81E-02 2.98E-02 5.30E-01 2.04E-01 2.07E-03 1.35E-01 2.07E-03 1.35E-02 3.92E-05 -2.84E-02 2.07E-05 -2.84E-02 2.07E-05 -2.84E-02 2.07E-05 -2.84E-02 2.07E-05 -2.84E-02 2.07E-03 2.07 | 윧 | | | Appropriate | Water | kg | 3.50E+04 | 2.92E+03 | 2.44E-01 | 3.59E+04 | 2.66E+01 | -1.03E+04 |
| Nox kg 4.46E-01 1.81E-02 2.98E-02 5.30E-01 2.04E-01 2.07E-03 1.35E-01 2.07E-03 1.35E-02 3.92E-05 -2.84E-02 2.07E-05 -2.84E-02 2.07E-05 -2.84E-02 2.07E-05 -2.84E-02 2.07E-05 -2.84E-02 2.07E-03 2.07 | Ş | nt | | | CO2 | ka | 3.59E+02 | 3.00E+01 | 9.80E+00 | 4.51E+02 | 2.72E+00 | -2.62E+02 |
| Sing Unspecified Solid Waste kg 2.90E+00 2.89E-06 0 1.75E+01 1.05E-05 -3.57E+00 | = | ne | | a) | Sox | ka | 2.28E-01 | 2.29E-02 | 4.99E-03 | 2.84E-01 | 2.87E-03 | -1.53E-01 |
| Sing Unspecified Solid Waste kg 2.90E+00 2.89E-06 0 1.75E+01 1.05E-05 -3.57E+00 | | onr | | ere | Nox | | 4.46E-01 | 1.81E-02 | 2.98E-02 | 5.30E-01 | 3.10E-02 | -4.26E-01 |
| Sing Unspecified Solid Waste kg 2.90E+00 2.89E-06 0 1.75E+01 1.05E-05 -3.57E+00 | | vir | | h H | N2O | | 2.92E-02 | 3.30E-04 | 1.88E-03 | 4.32E-02 | 3.92E-05 | -2.84E-02 |
| Sing Unspecified Solid Waste kg 2.90E+00 2.89E-06 0 1.75E+01 1.05E-05 -3.57E+00 | | e | | SO | CH4 | kg | 3.71E-03 | 6.98E-04 | 5.84E-08 | 6.68E-03 | 6.29E-06 | -6.56E-04 |
| Sing Unspecified Solid Waste kg 2.90E+00 2.89E-06 0 1.75E+01 1.05E-05 -3.57E+00 | | the | | 텵 | CO | kg | 4.62E-02 | 4.43E-03 | 4.49E-03 | 7.15E-02 | 1.18E-02 | -3.31E-02 |
| Sing Unspecified Solid Waste kg 2.90E+00 2.89E-06 0 1.75E+01 1.05E-05 -3.57E+00 | | to | | ∀ O | NMVOC | | 7.25E-03 | 1.37E-03 | 1.14E-07 | 1.31E-02 | 1.23E-05 | |
| Sing Unspecified Solid Waste kg 2.90E+00 2.89E-06 0 1.75E+01 1.05E-05 -3.57E+00 | | ge | | ¥ | СхНу | kg | | 7.17E-05 | | | | -1.40E-02 |
| Sing Unspecified Solid Waste kg 2.90E+00 2.89E-06 0 1.75E+01 1.05E-05 -3.57E+00 | | har | | | Dust | | 4.40E-02 | | 3.24E-03 | 3.54E-02 | 2.42E-03 | -4.18E-02 |
| Sing Unspecified Solid Waste kg 2.90E+00 2.89E-06 0 1.75E+01 1.05E-05 -3.57E+00 | | sc | E | ain | | kg | - | 9.91E-03 | - | - | - | - |
| Sing Unspecified Solid Waste kg 2.90E+00 2.89E-06 0 1.75E+01 1.05E-05 -3.57E+00 | | ď | syste | lom | COD | | - | - | - | - | - | - |
| Sing Unspecified Solid Waste kg 2.90E+00 2.89E-06 0 1.75E+01 1.05E-05 -3.57E+00 | | ior | er s | er d | N total | | - | - | - | - | - | - |
| Sing Unspecified Solid Waste kg 2.90E+00 2.89E-06 0 1.75E+01 1.05E-05 -3.57E+00 | | iss | Wat | Wat | P total | kg | - | - | - | - | - | - |
| Sing Unspecified Solid Waste kg 2.90E+00 2.89E-06 0 1.75E+01 1.05E-05 -3.57E+00 | | Em | to | to_ | SS | kg | - | - | | - | - | - |
| Energy resources (crude oil equivalent) Kg 1.22E+02 1.14E+01 3.07E+00 1.77E+02 7.25E-01 -8.24E+01 | | | | me: | | | | 2.89E-06 | 0 | 1.75E+01 | 1.05E-05 | -3.57E+00 |
| Energy resources (crude oil equivalent) Kg 1.22E+02 1.14E+01 3.07E+00 1.77E+02 7.25E-01 -8.24E+01 | | | | syst | Slag | kg | | | | 2.29E+00 | | -1.06E+01 |
| Energy resources (crude oil equivalent) Kg 1.22E+02 1.14E+01 3.07E+00 1.77E+02 7.25E-01 -8.24E+01 | | | | Soil | Sludge | | | | | | | |
| Mineral resources (fron ore equivalent) Kg 4.37E+02 0 0 8.67E+01 0 -8.42E+02 | | П | | \$ | Low level radio-active waste | kg | | | | 1.75E-03 | | |
| Global Warming (CO2 equivalent) kg 3.67E+02 3.01E+01 1.03E+01 4.63E+02 2.73E+00 -2.70E+02 | ment | > S | | | Energy resources (crude oil equivalent) | kg | | 1.14E+01 | 3.07E+00 | | 7.25E-01 | |
| | Sess | 교 짧 | | Commence | Mineral resources (Iron ore equivalent) | kg | 4.37E+02 | 0 | 0 | 8.67E+01 | 0 | -8.42E+02 |
| Acidification (SO2 equivalent) kg 5.40F-01 3.55F-02 2.59F-02 6.55F-01 2.46F-02 -4.51F-01 | ct ass | 1 | | sphere | Global Warming (CO2 equivalent) | kg | | 3.01E+01 | 1.03E+01 | 4.63E+02 | 2.73E+00 | -2.70E+02 |
| 2 , 2 //ordinodulon (002 ordinodulon) NU 0.10E 01 0.00E 02 0.00E 01 2.40E-02 4.01E-01 | Impa | 200 | | to Almo | Acidification (SO2 equivalent) | kg | 5.40E-01 | 3.55E-02 | 2.59E-02 | 6.55E-01 | 2.46E-02 | -4.51E-01 |

[Notes for readers: EcoLeaf common rules]

I. Stage related

- A. "Production" stage is intended for two sub-stages listed below.
- (1) "Raw material" production: consists of mining, transportation and raw material production.
- (2) "Product" production: consists of the parts processing, assembly and installation.
- B. "Distribution" stage is intended for transportation of produced product. Transportation of consumables and maintenance goods (e.g. replacement parts) for use of the product are included into "Use" stage.
- C. "Use" stage is intended for use of the product (active mode, standby mode, etc.) and production, transportation to disposal/recycle of consumables/maintenance goods (e.g. replacement parts).
- D. "Disposition/Recycle" stage is intended for environmental impacts by product disposition/recycle, and deduction by recycling (e.g. impact reduction of raw material production)
- E. "Recycle Effect" illustrates an indirect environmental influences to other products/services by use of reclaimed materials/parts, and/or by supply of used products to other businesses for material reclaim/parts reuse.

Case 1: Use of reclaimed materials/parts: Sum of increase of environmental impact by collection activities of used materials/parts, and decrease by volume reduction of used materials/parts.

Case 2: Supply of used products to other businesses for material reclaim/parts reuse: Sum of increase of environmental impact by materials/parts reclaiming process, and decrease by volume reduction of new materials/parts production.

II. Inventory analyses

- A. Data of mineral ore on "Exhaustible resources" are presented in weight of pure ingredients (e.g. iron, aluminum) in the ore.
- B. Data on energy resources are presented based on origin in calorific value. e.g. Data on uranium ore presents weight of uranium concentrate, which is available for use as an atomic fuel
- C. Data of discharge to water system are in actual figure (not calculated using unit function in inventory analyses).

III Impact analyses

Result of the "Impact analyses" is found in converting results of inventory analyses into total amount of a reference material (e.g. CO 2 in case of "Global Warming").

A. Impact "by resource consumption" represents magnitude of impacts to resource depletion.

B. Impact "by emission/discharge to environment" represents magnitude of impacts to Atmosphere, Water and Soil system

IV Data entry forma

- A. Exponential notation, after the decimal point to two, should be used.
- B. Indicate "0" instead exponential notation, if the result of calculation or estimation is considered as "zero" or negligible in comparison to related results.
- C. Indicate " " if calculation nor estimation can not be done, in order to differentiate to indicate "zero".

(BGD for material production are for production from mineral ore. Those data do not include reclaiming processes like recovery from scrap.)

[Notes for readers: Target product specific]

- 1. We include package and attached articles, such as CD-ROM, operation manual in the product weight. Toner container as standard is included in the use stage, not in the product weight.
- 2.Production stage: Environmental impacts on main product, toner supplied with and drum are included in this stage. Production of main product is included as China production. Toner and drum are included as Japan production.
- 3.Transportation stage: Marine transport distance of a main product is 2.600km and domestic transport distance based on PCR provisions is 100km.
- 4.Use stage: Based on PCR provision, impact on367,500 sheets monochrome printing and 367,500 sheets color printing by user for five years is considered.
- 5.Disposal/Recycle: We have calculated on the basis of a performance-based recycle scenario.
- This declaration was produced using Product Category Rule intended for a product model sold in the Japanese market and using the qualitative and quantitative data collected in Japan.

Product data sheet

(Input data and parameters for LCA

| | (Iliput data and parameters for LOA) |
|--------------------------|--------------------------------------|
| Document control no. | F-03s-02 |
| Product vendor | KYOCERA Document Solutions Inc. |
| EcoLEaf registration no. | AD-20-E1185 |



| PCR name | EP & IJ Printer (PCR-ID:AD-04) | Product type | TASKalfa 358ci | | | | | |
|-----------------------|--------------------------------|---------------------|----------------|--------------|------|-------------------|-------|--|
| LCA/LCIA in units of: | 1 Unit | Product weight (kg) | 55.34 | Package (kg) | 12.5 | Weight total (kg) | 67.84 | |

1. Product information (per unit): parts etc. by material and by process/assembly method

| Bre | eakdown of p | rimary materials | | Math breakdown of parts, which | ch need to apply | Processing / Assembly Base Ur | nits (Parts B, C) |
|---------------------------|--|--|---|---|--|---|--|
| Material name | Weight (kg) | Material name | Weight (kg) | Process name | Weight (kg) | Process name | Weight (kg) |
| Carbon steel(kg) | 2.02E+01 | Paper (kg) | 1.73E+01 | Press molding:Iron (kg) | 2.07E+01 | Parts assembly (kg) | 6.77E+01 |
| SUS (kg) | 5.36E-01 | Assembled circuit board (kg) | 3.91E+00 | Press molding:Nonferrous metal (kg) | 1.81E+00 | | |
| Cu (kg) | 1.41E+00 | Medium-sized motor (kg) | 1.92E+00 | Injection molding (kg) | 2.08E+01 | | |
| Al (kg) | 4.90E-01 | | | Blow molding (kg) | 1.04E-01 | | |
| Glass (kg) | 1.22E+00 | | | Glass molding (kg) | 1.22E+00 | | |
| Thermoplastics resin (kg) | 2.08E+01 | | | | | | |
| thermosetting resin (kg) | 1.31E-01 | | | | | | |
| Rrubber (kg) | 3.37E-02 | | | | | | |
| Subtotal | 4.47E+01 | Subtotal | 2.31E+01 | | | | |
| | Total | | 6.78E+01 | Subtotal | 4.46E+01 | Subtotal | 6.77E+01 |
| | Material name Carbon steel(kg) SUS (kg) Cu (kg) Al (kg) Glass (kg) Thermoplastics resin (kg) thermosetting resin (kg) Rrubber (kg) | Material name Weight (kg) Carbon steel(kg) 2.02E+01 SUS (kg) 5.36E-01 Cu (kg) 1.41E+00 Al (kg) 4.90E-01 Glass (kg) 1.22E+00 Thermoplastics resin (kg) 2.08E+01 thermosetting resin (kg) 1.31E-01 Rrubber (kg) 3.37E-02 Subtotal 4.47E+01 | Carbon steel(kg) 2.02E+01 Paper (kg) SUS (kg) 5.36E-01 Assembled circuit board (kg) Cu (kg) 1.41E+00 Medium-sized motor (kg) Al (kg) 4.90E-01 Glass (kg) 1.22E+00 Thermoplastics resin (kg) 2.08E+01 thermosetting resin (kg) 1.31E-01 Rrubber (kg) 3.37E-02 Subtotal 4.47E+01 Subtotal | Material name Weight (kg) Material name Weight (kg) Carbon steel(kg) 2.02E+01 Paper (kg) 1.73E+01 SUS (kg) 5.36E-01 Assembled circuit board (kg) 3.91E+00 Cu (kg) 1.41E+00 Medium-sized motor (kg) 1.92E+00 Al (kg) 4.90E-01 Glass (kg) 1.22E+00 Thermoplastics resin (kg) 2.08E+01 Thermosetting resin (kg) 1.31E-01 Rrubber (kg) 3.37E-02 Subtotal 2.31E+01 | Material name Weight (kg) Material name Weight (kg) Process name Carbon steel(kg) 2.02E+01 Paper (kg) 1.73E+01 Press molding:Iron (kg) SUS (kg) 5.36E-01 Assembled circuit board (kg) 3.91E+00 Press molding:Iron (kg) Cu (kg) 1.41E+00 Medium-sized motor (kg) 1.92E+00 Injection molding (kg) Al (kg) 4.90E-01 Blow molding (kg) Blow molding (kg) Glass (kg) 1.22E+00 Glass molding (kg) Thermoplastics resin (kg) 2.08E+01 Glass molding (kg) thermosetting resin (kg) 1.31E-01 Thermoplastics resin (kg) 2.33E+01 Rrubber (kg) 3.37E-02 Subtotal 4.47E+01 | Material name Weight (kg) Material name Weight (kg) Process name Weight (kg) Carbon steel(kg) 2.02E+01 Paper (kg) 1.73E+01 Press molding:Iron (kg) 2.07E+01 SUS (kg) 5.36E-01 Assembled circuit board (kg) 3.91E+00 Press molding:Iron (kg) 1.81E+00 Cu (kg) 1.41E+00 Medium-sized motor (kg) 1.92E+00 Injection molding (kg) 2.08E+01 Al (kg) 4.90E-01 Blow molding (kg) 1.04E-01 Glass (kg) 1.22E+00 Glass molding (kg) 1.22E+00 Thermoplastics resin (kg) 2.08E+01 Class molding (kg) 1.22E+00 Rrubber (kg) 3.37E-02 Subtotal 2.31E+01 | Material name Weight (kg) Material name Weight (kg) Process name Weight (kg) Process name Carbon steel(kg) 2.02E+01 Paper (kg) 1.73E+01 Press molding:Iron (kg) 2.07E+01 Parts assembly (kg) SUS (kg) 5.36E-01 Assembled circuit board (kg) 3.91E+00 Press molding:Iron (kg) 1.81E+00 Cu (kg) 1.41E+00 Medium-sized motor (kg) Injection molding (kg) 2.08E+01 Al (kg) 4.90E-01 Blow molding (kg) 1.04E-01 Glass (kg) 1.22E+00 Glass molding (kg) 1.22E+00 Thermoplastics resin (kg) 2.08E+01 Under the process name Under the process name Rrubber (kg) 3.37E-02 Subtotal 2.31E+01 Under the process name |

Note

2. Production site information (per unit): Consumption and discharge/emission for production/processing/assembly within the site.

SOx and NOx should be indicated in SO_2 , NO_2 equivalent.

| lon | Classification | Energy | Material | Energy | | | |
|--------|----------------|-------------------|-----------------------|----------|--|--|--|
| npti | Distribution | Electricity (kWh) | Industrial water (kg) | LNG (kg) | | | |
| ınsu | Quantity | 6.03E+00 | 7.65E-02 | 6.31E-02 | | | |
| Consi | Note | | | | | | |
| arge | Classification | Water system | | | | | |
| Disch | Distribution | BOD | | | | | |
| /uoiss | Quantity | 9.91E-03 | | | | | |
| Emis | Note | | | | | | |

Note

3. Distribution stage information (per unit): means, distance, loading ratio, consumptions and emissions/discharges.

| on | Means of transportation | Diesel truck:10 ton (kg | Diesel truck:10 ton (kg | Diesel truck:10 ton (kg | Diesel truck:10 ton (k | Freight by ship (kg·km) |
|-------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|) ati | Conditions | Mass(kg) | Distance(km) | Loading Ratio(%w) | Load(kg·km) | Mass(kg) | Distance (km) | Loading Ratio(%w) | Load(kg·km) |
| 計 | Quantity | 6.78E+01 | 1.00E+02 | 8.55E+01 | 7.93E+03 | 6.78E+01 | 2.60E+03 | 1.00E+02 | 1.76E+05 |
| ä | Note | | | | | | | | |

Note

4. Use stage (per unit): use condition (mode, term) including active mode, standby mode and maintenance.

4.1 Product and accessories subject to this analysis

| | Classification | Process | Consumption | Consumption | Process | Process | Process | Process | Process |
|---------|----------------|----------------------------|-------------------|------------------------------|-------------------------|-------------------|---------------------|---------------------------|-------------------------------------|
| | Distribution | Diesel truck:2 ton (kg·km) | Electricity (kWh) | Industrial water (kg) | Injection molding (kg) | Blow molding (kg) | Parts assembly (kg) | Press molding:Iron (kg) | Press molding:Nonferrous metal (kg) |
| | Quantity | 1.28E+04 | 5.23E+02 | 4.85E+01 | 2.50E+01 | 1.10E-01 | 6.95E+01 | 5.11E+00 | 4.89E-01 |
| | Note | | | | | | | | |
| ٠. | Classification | Process | Consumption | Consumption | Consumption | Consumption | Consumption | Consumption | Consumption |
| Product | Distribution | Glass molding (kg) | Carbon steel(kg) | SUS (kg) | Cu (kg) | Al (kg) | Glass (kg) | Thermoplastics resin (kg) | thermosetting resin (kg) |
| Š | Quantity | 4.85E-02 | 6.59E+00 | 2.78E-01 | 5.95E-02 | 4.97E-01 | 4.85E-02 | 5.44E+01 | 1.38E-01 |
| ш. | Note | | | | | | | | |
| | Classification | Consumption | Consumption | Consumption | Consumption | | | | |
| | Distribution | Rrubber (kg) | Paper (kg) | Assembled circuit board (kg) | Medium-sized motor (kg) | | | | |
| | Quantity | 2.79E-02 | 3.84E+01 | 3.26E-01 | 3.53E-03 | | | | |
| | Note | | | | | | | | |

Note

4.2 Disposition/Recycle information on consumables and replacement parts

| | Classification | Process | Process | Process | Process | Process | Process | Process | Deduction |
|--------|----------------|----------------|------------------------------|--------------------------------------|--------------------------------------|---------------------------|--------------------------------|-----------------------------------|------------------|
| " | Distribution | Shredding (kg) | Recycle:to copper plate (kg) | Recycle:to Thermoplastic pellet (kg) | Recycle:to corrugated cardboard (kg) | Recycle:to Glass (kg) | Recycle:to Aluminum plate (kg) | Recycle:to cold-rolled steel (kg) | Carbon steel(kg) |
| nables | Quantity | 7.12E+01 | 3.89E-01 | 2.50E+01 | 3.84E+01 | 4.85E-02 | 4.97E-01 | 6.87E+00 | 6.59E+00 |
| nal | Note | | | | | | | | |
| ınsı | Classification | Deduction | Deduction | Deduction | Deduction | Deduction | Deduction | | |
| Ş | Distribution | SUS (kg) | Cu (kg) | Al (kg) | Glass (kg) | Thermoplastics resin (kg) | Paper (kg) | | |
| | Quantity | 2.78E-01 | 3.89E-01 | 4.97E-01 | 4.85E-02 | 2.50E+01 | 3.84E+01 | | |
| | Note | | | | | | | | |

Note

5. Disposition/Recycle stage information (per product): process method and scenarios

| . Dispi | | | | uct): process me | tillou allu scellai | | T | 1 | 1 |
|---------|----------------|--------------------------------------|--------------------------------------|-----------------------------|-------------------------------------|----------------|-----------------------------------|------------------------------|--------------------------------|
| | Classification | Process | Process | Process | Process | Process | Process | Process | Process |
| | Distribution | Diesel truck:10 ton (kg ·km) | Electricity (kWh) | Diesel truck:2 ton (kg ·km) | Incineration: Industrial waste (kg) | Shredding (kg) | Recycle:to cold-rolled steel (kg) | Recycle:to copper plate (kg) | Recycle:to Aluminum plate (kg) |
| | Quantity | 3.17E+03 | 5.80E-01 | 1.02E+04 | 3.22E-01 | 6.77E+01 | 2.07E+01 | 7.23E+00 | 4.90E-01 |
| | Note | | | | | | | | |
| 0 | Classification | Process | Process | Process | Deduction | Deduction | Deduction | Deduction | Deduction |
| nario | Distribution | Recycle:to Thermoplastic pellet (kg) | Recycle to corrugated cardboard (kg) | Recycle:to Glass (kg) | Carbon steel(kg) | SUS (kg) | Cu (kg) | Al (kg) | Glass (kg) |
| cer | Quantity | 2.08E+01 | 1.73E+01 | 1.22E+00 | 2.02E+01 | 5.36E-01 | 7.23E+00 | 4.90E-01 | 1.22E+00 |
| Ö | Note | | | | | | | | |
| | Classification | Deduction | Deduction | | | | | | |
| | Distribution | Thermoplastics resin (kg) | Paper (kg) | | | | | | |
| | Quantity | 2.08E+01 | 1.73E+01 | | | | | | |
| | Note | | | | | | | | |

Note

6. Others