## Product Environmental Aspects Declaration

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



No. AD-11-145 Date of publication May/17/2011

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#### http://www.brother.co.jp/

For inquiry:

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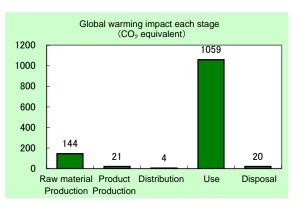
# Color Laser Printer HL-4570CDW

Specifications:

- Electrophotographic Printer (EP)
- Color
- Printing Speed: 28 ppm in both color and black
- Maximum Printing Size: A4
- Flexible Wireless & Wired Interfaces
- Duplex Printing

The following data is calculated by assuming the product prints 470,400 sheets in 5-year usage period.

- < Main environmental impact in the product lifecycle >
  - Energy consumption 21,500MJ
- Global warming impact (CO<sub>2</sub> equivalent) 1,250kg
- Acidification impact (SO<sub>2</sub> equivalent) 2.03kg



- · Electric power consumption in 5 years of "Use stage" is 463kWh.
- The above data does not include the environmental impact of the paper that is used for printing.

#### 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 Category Rule. Visit EcoLeaf website under JEMAI homepage at http://www.jemai.or.jp/ecoleaf\_e/ for details.
- 3. The units used for EcoLeaf calculations are based on Japanese domestic data. Overseas data has not been applied.

### [Supplemental environmental information]

The product assembly and main parts of toner and photoconductor are produced at plants certified with ISO 14001. The product conforms to the International Energy Star Program and the Law on Promoting Green Purchasing in Japan. The product has obtained the ECO Mark certification (3R & Energy-Saving Design).

PCR review was conducted by: PCR Deliberation Committee, February 01, 2011, Name of representative: Yohji Uchiyama, University of Tsukuba, Graduate School

Independent verification of the label and data, according to ISO 14025:2006 🗌 internal 🔳 external Third party verifier \*: Shozo Nakamuta Program operator: Japan Environmental Management Association for Industry Email: ecoleaf@jemai.or.jp

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

### Product Environmental Information Data Sheet (PEIDS)



Document control no.	F-02As-02
Product vendor	Brother Industries,LTD.
EcoLeaf registration no.	AD-11-145

Unit Function DB version Characterization Factor DB version

			-				
PCR name	EP and IJ print	Product type	HL-4570CDW				
PCR code	AD-04	Product weight (kg)	21.6	Package (kg)	4.21	Weight total (kg)	25.8
	Life Cycle Stage Uni		uction	Distribution	Use	Disposal	Total
In/Out items	Unit	Raw material	Product	Distribution	USE	Disposai	TOLAI

United with the second secon		Energy Concumption			MJ	2.68E+03	3.31E+02	5.82E+01	1.84E+04	2.27E+01	2.15E+04	
Note         Note <th< td=""><td></td><td></td><td>Energ</td><td>y Cons</td><td>umption</td><td>Mcal</td><td>6.41E+02</td><td>7.90E+01</td><td>1.39E+01</td><td>4.39E+03</td><td>5.42E+00</td><td>5.13E+03</td></th<>			Energ	y Cons	umption	Mcal	6.41E+02	7.90E+01	1.39E+01	4.39E+03	5.42E+00	5.13E+03
Verticity         Page of a system         Cude all formaterial)         kg         1.10E+01         6.92E+03         0         6.85E+101         0         7.95E+011           Verticity         Section         Content of an ore         kg         3.77E+01         0         0         6.85E+00         0         0         6.87E+02         0         4.47E+011           Verticity         Section         Content of an ore         kg         3.77E+01         0         0         6.87E+02         0         4.47E+011           Verticity         Section         Content of an ore         kg         3.56E+01         0         2.55E+01         0         2.88E+01           Verticity         Dometer of an ore         kg         3.56E+02         0         0         2.55E+02         0         0         2.28E+01         0         2.28E+01           Verticity         Dometer of an ore         kg         1.55E+02         0         0         0         5.56E+02         0         2.28E+01           Verticity         Dometer of an ore         kg         1.55E+01         0         0         1.48E+01         1.55E+02         0         1.55E+02         0         2.28E+01           Verticity         Reserved				/ es	Coal	kg	1.60E+01	1.92E+00	1.36E-04	1.02E+02	1.36E-01	1.20E+02
Verticity         Page of a system         Cude all formaterial)         kg         1.10E+01         6.92E+03         0         6.85E+101         0         7.95E+011           Verticity         Section         Content of an ore         kg         3.77E+01         0         0         6.85E+00         0         0         6.87E+02         0         4.47E+011           Verticity         Section         Content of an ore         kg         3.77E+01         0         0         6.87E+02         0         4.47E+011           Verticity         Section         Content of an ore         kg         3.56E+01         0         2.55E+01         0         2.88E+01           Verticity         Dometer of an ore         kg         3.56E+02         0         0         2.55E+02         0         0         2.28E+01         0         2.28E+01           Verticity         Dometer of an ore         kg         1.55E+02         0         0         0         5.56E+02         0         2.28E+01           Verticity         Dometer of an ore         kg         1.55E+01         0         0         1.48E+01         1.55E+02         0         1.55E+02         0         2.28E+01           Verticity         Reserved				rg/	Crude oil (for fuel)	kg	2.62E+01	3.19E+00	1.27E+00	1.58E+02	2.43E-01	1.89E+02
Note         Note         Code of formaterial)         kg         1.10E+01         6.92E-03         0         6.88E+01         0         7.95E+01           Note         State				sou	LNG		5.65E+00	9.76E-01	1.96E-02	3.93E+01	7.01E-02	4.61E+01
Note         Note <th< td=""><td></td><td></td><td></td><td>шё</td><td>Uranium content of an ore</td><td>kg</td><td>5.34E-04</td><td>1.30E-04</td><td>9.22E-09</td><td>3.75E-03</td><td>9.20E-06</td><td>4.42E-03</td></th<>				шё	Uranium content of an ore	kg	5.34E-04	1.30E-04	9.22E-09	3.75E-03	9.20E-06	4.42E-03
Solution         Halite         kg         3.36E+00         1.62E+03         0         1.18E+01         7.76E-03         1.51E+01           Natural soda ash         kg         2.17E+00         1.06E+01         0         1.06E+01         1.87E+01         1.31E+01           Renewable         Wood         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02           Noatural soda ash         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02         8.09E+04           resources         Water         kg         1.38E+04         1.66E+03         1.03E+01         1.06E+01         1.06E+02         8.09E+04           NOx         kg         1.41E+02         2.05E+01         4.13E+00         1.04E+03         2.02E+01         1.28E+03           NOx         kg         1.81E-01         1.98E+02         1.48E+00         1.40E+03         2.02E+01         1.66E+02         8.09E+01         1.66E+02         8.09E+01         1.66E+02         1.06E+02         8.09E+01         1.64E+00         1.7E+02         4.88E+04         7.05E+01         1.64E+03         2.21E+01         1.06E+02         8.09E+05         3.62E+02         0         7.4E+04		-			Crude oil (for material)	kg	1.10E+01	6.92E-03	0	6.85E+01	0	7.95E+01
Solution         Halite         kg         3.36E+00         1.62E+03         0         1.18E+01         7.76E-03         1.51E+01           Natural soda ash         kg         2.17E+00         1.06E+01         0         1.06E+01         1.87E+01         1.31E+01           Renewable         Wood         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02           Noatural soda ash         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02         8.09E+04           resources         Water         kg         1.38E+04         1.66E+03         1.03E+01         1.06E+01         1.06E+02         8.09E+04           NOx         kg         1.41E+02         2.05E+01         4.13E+00         1.04E+03         2.02E+01         1.28E+03           NOx         kg         1.81E-01         1.98E+02         1.48E+00         1.40E+03         2.02E+01         1.66E+02         8.09E+01         1.66E+02         8.09E+01         1.66E+02         1.06E+02         8.09E+01         1.64E+00         1.7E+02         4.88E+04         7.05E+01         1.64E+03         2.21E+01         1.06E+02         8.09E+05         3.62E+02         0         7.4E+04		nption			Iron content of an ore		8.58E+00	0	0	3.99E+01	0	4.85E+01
Solution         Halite         kg         3.36E+00         1.62E+03         0         1.18E+01         7.76E-03         1.51E+01           Natural soda ash         kg         2.17E+00         1.06E+01         0         1.06E+01         1.87E+01         1.31E+01           Renewable         Wood         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02           Noatural soda ash         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02         8.09E+04           resources         Water         kg         1.38E+04         1.66E+03         1.03E+01         1.06E+01         1.06E+02         8.09E+04           NOx         kg         1.41E+02         2.05E+01         4.13E+00         1.04E+03         2.02E+01         1.28E+03           NOx         kg         1.81E-01         1.98E+02         1.48E+00         1.40E+03         2.02E+01         1.66E+02         8.09E+01         1.66E+02         8.09E+01         1.66E+02         1.06E+02         8.09E+01         1.64E+00         1.7E+02         4.88E+04         7.05E+01         1.64E+03         2.21E+01         1.06E+02         8.09E+05         3.62E+02         0         7.4E+04			ses		Cu content of an ore	kg	3.77E-01	0	0	6.97E-02	0	4.47E-01
Solution         Halite         kg         3.36E+00         1.62E+03         0         1.18E+01         7.76E-03         1.51E+01           Natural soda ash         kg         2.17E+00         1.06E+01         0         1.06E+01         1.87E+01         1.31E+01           Renewable         Wood         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02           Noatural soda ash         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02         8.09E+04           resources         Water         kg         1.38E+04         1.66E+03         1.03E+01         1.06E+01         1.06E+02         8.09E+04           NOx         kg         1.41E+02         2.05E+01         4.13E+00         1.04E+03         2.02E+01         1.28E+03           NOx         kg         1.81E-01         1.98E+02         1.48E+00         1.40E+03         2.02E+01         1.66E+02         8.09E+01         1.66E+02         8.09E+01         1.66E+02         1.06E+02         8.09E+01         1.64E+00         1.7E+02         4.88E+04         7.05E+01         1.64E+03         2.21E+01         1.06E+02         8.09E+05         3.62E+02         0         7.4E+04		nns	nrc	urces	Al content of an ore	kg	5.46E-01	0	0	5.17E+00	0	5.72E+00
Solution         Halite         kg         3.36E+00         1.62E+03         0         1.18E+01         7.76E-03         1.51E+01           Natural soda ash         kg         2.17E+00         1.06E+01         0         1.06E+01         1.87E+01         1.31E+01           Renewable         Wood         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02           Noatural soda ash         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02         8.09E+04           resources         Water         kg         1.38E+04         1.66E+03         1.03E+01         1.06E+01         1.06E+02         8.09E+04           NOx         kg         1.41E+02         2.05E+01         4.13E+00         1.04E+03         2.02E+01         1.28E+03           NOx         kg         1.81E-01         1.98E+02         1.48E+00         1.40E+03         2.02E+01         1.66E+02         8.09E+01         1.66E+02         8.09E+01         1.66E+02         1.06E+02         8.09E+01         1.64E+00         1.7E+02         4.88E+04         7.05E+01         1.64E+03         2.21E+01         1.06E+02         8.09E+05         3.62E+02         0         7.4E+04		suc	sol		Ni content of an ore	kg	3.56E-02	0	0	2.53E-01	0	2.88E-01
Solution         Halite         kg         3.36E+00         1.62E+03         0         1.18E+01         7.76E-03         1.51E+01           Natural soda ash         kg         2.17E+00         1.06E+01         0         1.06E+01         1.87E+01         1.31E+01           Renewable         Wood         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02           Noatural soda ash         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02         8.09E+04           resources         Water         kg         1.38E+04         1.66E+03         1.03E+01         1.06E+01         1.06E+02         8.09E+04           NOx         kg         1.41E+02         2.05E+01         4.13E+00         1.04E+03         2.02E+01         1.28E+03           NOx         kg         1.81E-01         1.98E+02         1.48E+00         1.40E+03         2.02E+01         1.66E+02         8.09E+01         1.66E+02         8.09E+01         1.66E+02         1.06E+02         8.09E+01         1.64E+00         1.7E+02         4.88E+04         7.05E+01         1.64E+03         2.21E+01         1.06E+02         8.09E+05         3.62E+02         0         7.4E+04		Ŭ	naustible re		Cr content of an ore	kġ	5.09E-02	0	0	3.56E-01	0	4.07E-01
Solution         Halite         kg         3.36E+00         1.62E+03         0         1.18E+01         7.76E-03         1.51E+01           Natural soda ash         kg         2.17E+00         1.06E+01         0         1.06E+01         1.87E+01         1.31E+01           Renewable         Wood         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02           Noatural soda ash         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02         8.09E+04           resources         Water         kg         1.38E+04         1.66E+03         1.03E+01         1.06E+01         1.06E+02         8.09E+04           NOx         kg         1.41E+02         2.05E+01         4.13E+00         1.04E+03         2.02E+01         1.28E+03           NOx         kg         1.81E-01         1.98E+02         1.48E+00         1.40E+03         2.02E+01         1.66E+02         8.09E+01         1.66E+02         8.09E+01         1.66E+02         1.06E+02         8.09E+01         1.64E+00         1.7E+02         4.88E+04         7.05E+01         1.64E+03         2.21E+01         1.06E+02         8.09E+05         3.62E+02         0         7.4E+04		ce			Mn content of an ore	kġ	4.64E-02	0	0	2.52E-01	0	2.99E-01
Solution         Halite         kg         3.36E+00         1.62E+03         0         1.18E+01         7.76E-03         1.51E+01           Natural soda ash         kg         2.17E+00         1.06E+01         0         1.06E+01         1.87E+01         1.31E+01           Renewable         Wood         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02           Noatural soda ash         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02         8.09E+04           resources         Water         kg         1.38E+04         1.66E+03         1.03E+01         1.06E+01         1.06E+02         8.09E+04           NOx         kg         1.41E+02         2.05E+01         4.13E+00         1.04E+03         2.02E+01         1.28E+03           NOx         kg         1.81E-01         1.98E+02         1.48E+00         1.40E+03         2.02E+01         1.66E+02         8.09E+01         1.66E+02         8.09E+01         1.66E+02         1.06E+02         8.09E+01         1.64E+00         1.7E+02         4.88E+04         7.05E+01         1.64E+03         2.21E+01         1.06E+02         8.09E+05         3.62E+02         0         7.4E+04		Ino		ose	Pb content of an ore	kg	1.72E-02	0	0	5.66E-03	0	2.28E-02
Solution         Halite         kg         3.36E+00         1.62E+03         0         1.18E+01         7.76E-03         1.51E+01           Natural soda ash         kg         2.17E+00         1.06E+01         0         1.06E+01         1.87E+01         1.31E+01           Renewable         Wood         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02           Noatural soda ash         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02         8.09E+04           resources         Water         kg         1.38E+04         1.66E+03         1.03E+01         1.06E+01         1.06E+02         8.09E+04           NOx         kg         1.41E+02         2.05E+01         4.13E+00         1.04E+03         2.02E+01         1.28E+03           NOx         kg         1.81E-01         1.98E+02         1.48E+00         1.40E+03         2.02E+01         1.66E+02         8.09E+01         1.66E+02         8.09E+01         1.66E+02         1.06E+02         8.09E+01         1.64E+00         1.7E+02         4.88E+04         7.05E+01         1.64E+03         2.21E+01         1.06E+02         8.09E+05         3.62E+02         0         7.4E+04		se		2			-	-	-	-	-	
Solution         Halite         kg         3.36E+00         1.62E+03         0         1.18E+01         7.76E-03         1.51E+01           Natural soda ash         kg         2.17E+00         1.06E+01         0         1.06E+01         1.87E+01         1.31E+01           Renewable         Wood         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02           Noatural soda ash         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02         8.09E+04           resources         Water         kg         1.38E+04         1.66E+03         1.03E+01         1.06E+01         1.06E+02         8.09E+04           NOx         kg         1.41E+02         2.05E+01         4.13E+00         1.04E+03         2.02E+01         1.28E+03           NOx         kg         1.81E-01         1.98E+02         1.48E+00         1.40E+03         2.02E+01         1.66E+02         8.09E+01         1.66E+02         8.09E+01         1.66E+02         1.06E+02         8.09E+01         1.64E+00         1.7E+02         4.88E+04         7.05E+01         1.64E+03         2.21E+01         1.06E+02         8.09E+05         3.62E+02         0         7.4E+04		N N	Ϋ́.	era			1.69E-01	0	0	5.56E-02	0	2.25E-01
Solution         Halite         kg         3.36E+00         1.62E+03         0         1.18E+01         7.76E-03         1.51E+01           Natural soda ash         kg         2.17E+00         1.06E+01         0         1.06E+01         1.87E+01         1.31E+01           Renewable         Wood         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02           Noatural soda ash         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02         8.09E+04           resources         Water         kg         1.38E+04         1.66E+03         1.03E+01         1.06E+01         1.06E+02         8.09E+04           NOx         kg         1.41E+02         2.05E+01         4.13E+00         1.04E+03         2.02E+01         1.28E+03           NOx         kg         1.81E-01         1.98E+02         1.48E+00         1.40E+03         2.02E+01         1.66E+02         8.09E+01         1.66E+02         8.09E+01         1.66E+02         1.06E+02         8.09E+01         1.64E+00         1.7E+02         4.88E+04         7.05E+01         1.64E+03         2.21E+01         1.06E+02         8.09E+05         3.62E+02         0         7.4E+04		ťp	-	4in			-	-	-	-	-	
Solution         Halite         kg         3.36E+00         1.62E+03         0         1.18E+01         7.76E-03         1.51E+01           Natural soda ash         kg         2.17E+00         1.06E+01         0         1.06E+01         1.87E+01         1.31E+01           Renewable         Wood         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02           Noatural soda ash         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02         8.09E+04           resources         Water         kg         1.38E+04         1.66E+03         1.03E+01         1.06E+01         1.06E+02         8.09E+04           NOx         kg         1.41E+02         2.05E+01         4.13E+00         1.04E+03         2.02E+01         1.28E+03           NOx         kg         1.81E-01         1.98E+02         1.48E+00         1.40E+03         2.02E+01         1.66E+02         8.09E+01         1.66E+02         8.09E+01         1.66E+02         1.06E+02         8.09E+01         1.64E+00         1.7E+02         4.88E+04         7.05E+01         1.64E+03         2.21E+01         1.06E+02         8.09E+05         3.62E+02         0         7.4E+04		ac		2			-	-	-	-	-	
Solution         Halite         kg         3.36E+00         1.62E+03         0         1.18E+01         7.76E-03         1.51E+01           Natural soda ash         kg         2.17E+00         1.06E+01         0         1.06E+01         1.87E+01         1.31E+01           Renewable         Wood         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02           Noatural soda ash         kg         6.94E+00         3.43E+040         0         1.49E+02         0         1.5E+02         8.09E+04           resources         Water         kg         1.38E+04         1.66E+03         1.03E+01         1.06E+01         1.06E+02         8.09E+04           NOx         kg         1.41E+02         2.05E+01         4.13E+00         1.04E+03         2.02E+01         1.28E+03           NOx         kg         1.81E-01         1.98E+02         1.48E+00         1.40E+03         2.02E+01         1.66E+02         8.09E+01         1.66E+02         8.09E+01         1.66E+02         1.06E+02         8.09E+01         1.64E+00         1.7E+02         4.88E+04         7.05E+01         1.64E+03         2.21E+01         1.06E+02         8.09E+05         3.62E+02         0         7.4E+04		du					7.53E-01	0	0	4.87E-01	0	1.24E+00
No.x         Ng         1.31E-01         1.30E-02         1.40E+00         2.27E-02         1.40E+00           Atmosphere         Atmosphere         CO         kg         1.27E-02         4.85E-04         7.05E-04         5.89E-02         3.03E-05         7.27E-02           Atmosphere         CH4         kg         1.42E+03         3.47E-04         2.46E-08         9.93E-03         2.46E-05         1.17E-02           CO         kg         1.98E-02         2.94E-03         4.75E-03         2.20E-01         4.18E-03         2.51E-01           NMVOC         kg         2.77E-03         6.80E-04         4.82E-08         1.94E-02         4.89E-05         3.62E-02           MVOC         kg         2.77E-03         1.80E-04         5.77E-04         2.94E-02         8.09E-05         3.62E-02           Dust         kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-01         3.06E-03           Water domain         Kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-01         1.30E+02 </td <td>SS</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td>3.36E+00</td> <td>1.62E-03</td> <td>0</td> <td>1.18E+01</td> <td>7.76E-03</td> <td>1.51E+01</td>	SS	-					3.36E+00	1.62E-03	0	1.18E+01	7.76E-03	1.51E+01
NOX         Ng         1.31E-01         1.30E-02         1.40E+00         2.27E-02         3.03E-05         7.27E-02           Atmosphere         No         Kg         1.42E-03         3.47E-04         2.46E-08         9.93E-03         2.46E-05         1.17E-02           NWVOC         kg         1.77E-03         6.80E-04         4.82E-08         1.94E-02         8.89E-05         2.20E-01         4.18E-03         2.51E-01           NWVOC         kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Out         kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Obstig         Kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Notal         kg         .         .         .         .         .         .         .         .           Notal         kg         .         .         .         .	VS6		Deere		Limestone			1.05E-01	0	1.06E+01		
NOX         Ng         1.31E-01         1.30E-02         1.40E+00         2.27E-02         3.03E-05         7.27E-02           Atmosphere         No         Kg         1.42E-03         3.47E-04         2.46E-08         9.93E-03         2.46E-05         1.17E-02           NWVOC         kg         1.77E-03         6.80E-04         4.82E-08         1.94E-02         8.89E-05         2.20E-01         4.18E-03         2.51E-01           NWVOC         kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Out         kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Obstig         Kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Notal         kg         .         .         .         .         .         .         .         .           Notal         kg         .         .         .         .	jai,				Natural soda ash	kg	6.80E-02	0	0	4.69E-05	0	6.80E-02
NOX         Ng         1.31E-01         1.30E-02         1.40E+00         2.27E-02         3.03E-05         7.27E-02           Atmosphere         No         Kg         1.42E-03         3.47E-04         2.46E-08         9.93E-03         2.46E-05         1.17E-02           NWVOC         kg         1.77E-03         6.80E-04         4.82E-08         1.94E-02         8.89E-05         2.20E-01         4.18E-03         2.51E-01           NWVOC         kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Out         kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Obstig         Kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Notal         kg         .         .         .         .         .         .         .         .           Notal         kg         .         .         .         .	ar		Renewable		Wood	kg	6.94E+00	3.43E+00	0	1.49E+02	0	1.59E+02
NOX         Ng         1.31E-01         1.30E-02         1.40E+00         2.27E-02         3.03E-05         7.27E-02           Atmosphere         No         Kg         1.42E-03         3.47E-04         2.46E-08         9.93E-03         2.46E-05         1.17E-02           NWVOC         kg         1.77E-03         6.80E-04         4.82E-08         1.94E-02         8.89E-05         2.20E-01         4.18E-03         2.51E-01           NWVOC         kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Out         kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Obstig         Kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Notal         kg         .         .         .         .         .         .         .         .           Notal         kg         .         .         .         .	∑ ∑		resou	urces	Water	kg	1.38E+04	1.66E+03	1.03E-01	6.53E+04	1.15E+02	8.09E+04
NOX         Ng         1.31E-01         1.30E-02         1.40E+00         2.27E-02         3.03E-05         7.27E-02           Atmosphere         No         Kg         1.42E-03         3.47E-04         2.46E-08         9.93E-03         2.46E-05         1.17E-02           NWVOC         kg         1.77E-03         6.80E-04         4.82E-08         1.94E-02         8.89E-05         2.20E-01         4.18E-03         2.51E-01           NWVOC         kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Out         kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Obstig         Kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Notal         kg         .         .         .         .         .         .         .         .           Notal         kg         .         .         .         .	ntc				CO2	kg	1.41E+02	2.05E+01	4.13E+00	1.04E+03	2.02E+01	1.23E+03
NOX         Ng         1.31E-01         1.30E-02         1.40E+00         2.27E-02         3.03E-05         7.27E-02           Atmosphere         No         Kg         1.42E-03         3.47E-04         2.46E-08         9.93E-03         2.46E-05         1.17E-02           NWVOC         kg         1.77E-03         6.80E-04         4.82E-08         1.94E-02         8.89E-05         2.20E-01         4.18E-03         2.51E-01           NWVOC         kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Out         kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Obstig         Kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Notal         kg         .         .         .         .         .         .         .         .           Notal         kg         .         .         .         .	ve Ve				SOx	kg	9.86E-02	1.32E-02	2.47E-03	7.56E-01	1.06E-02	8.80E-01
best of the second se	<u> </u>				NOx	kg	1.81E-01	1.96E-02	1.88E-02	1.40E+00	2.27E-02	1.64E+00
Atmosphere         CH4         kg         1.42E-03         3.47E-04         2.46E-08         9.93E-03         2.46E-05         1.17E-02           NWVOC         kg         1.98E-02         2.94E-03         4.75E-03         2.20E-01         4.18E-03         2.21E-01           NWVOC         kg         5.92E-03         1.84E-04         5.77E-04         2.94E-03         1.94E-02         4.88E-05         2.20E-02           Out         kg         1.92E-02         7.78E-04         4.82E-03         1.13E-01         1.30E-03         1.36E-01           Out         kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           Vater domain         P total         kg         -         -         -         -           SS         kg         -         -         -         -         -           Solid system         Soludge         kg         1.34E+00         4.33E-02         0         7.47E+01         9.71E+00         8.58E+01           Sludge         kg         1.34E+00         0         0         1.11E+01         0         1.21E+01           Solid system         Energy resources (roud evil equivalent)         kg         3.74E-04				_	N2O	kg	1.27E-02	4.85E-04	7.05E-04	5.89E-02	3.03E-05	7.27E-02
View         Autosphere         CO         kg         1.98E-02         2.94E-03         4.75E-03         2.20E-01         4.18E-03         2.51E-01           NMVOC         kg         2.77E-03         6.80E-04         4.82E-08         1.94E-02         4.83E-05         2.29E-02           Very         kg         5.92E-03         1.84E-04         5.77E-04         2.94E-02         8.09E-05         3.62E-02           Dust         kg         1.92E-02         7.78E-04         1.82E-03         1.13E-01         1.30E-03         1.36E-01           BOD         kg         -         -         -         -         -         -           Vater domain         kg         -         -         -         -         -         -           SS         kg         -         -         -         -         -         -         -           Vater domain         kg         -         -         -         -         -         -         -         -           SS         kg         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -		Ð			CH4	kg	1.42E-03	3.47E-04	2.46E-08	9.93E-03	2.46E-05	1.17E-02
to         Slag         kg         2.90E+00         0         0         1.24E+01         0         1.53E+01           Soil system         Sludge         kg         1.01E+00         0         0         1.21E+01         0         1.21E+01           Low level ratio-active waste         kg         3.74E-04         9.07E-05         6.44E-09         2.62E-03         6.43E-06         3.09E-03           Low level ratio-active waste         kg         4.77E+01         6.65E+00         1.30E+00         3.02E+02         4.90E-01         3.58E+02           Mineral resources troue oil equivalent)         kg         1.27E+02         3.80E-03         0         3.15E+02         0         4.42E+02		arg	Atmos	sphere	CO		1.98E-02	2.94E-03	4.75E-03	2.20E-01	4.18E-03	2.51E-01
to         Slag         kg         2.90E+00         0         0         1.24E+01         0         1.53E+01           Soil system         Sludge         kg         1.01E+00         0         0         1.21E+01         0         1.21E+01           Low level ratio-active waste         kg         3.74E-04         9.07E-05         6.44E-09         2.62E-03         6.43E-06         3.09E-03           Low level ratio-active waste         kg         4.77E+01         6.65E+00         1.30E+00         3.02E+02         4.90E-01         3.58E+02           Mineral resources troue oil equivalent)         kg         1.27E+02         3.80E-03         0         3.15E+02         0         4.42E+02		t ch			NMVOC	kg	2.77E-03	6.80E-04	4.82E-08	1.94E-02	4.83E-05	2.29E-02
to         Slag         kg         2.90E+00         0         0         1.24E+01         0         1.53E+01           Soil system         Sludge         kg         1.01E+00         0         0         1.21E+01         0         1.21E+01           Low level ratio-active waste         kg         3.74E-04         9.07E-05         6.44E-09         2.62E-03         6.43E-06         3.09E-03           Low level ratio-active waste         kg         4.77E+01         6.65E+00         1.30E+00         3.02E+02         4.90E-01         3.58E+02           Mineral resources troue oil equivalent)         kg         1.27E+02         3.80E-03         0         3.15E+02         0         4.42E+02		Dis			CxHy	kg	5.92E-03	1.84E-04	5.77E-04	2.94E-02	8.09E-05	3.62E-02
to         Slag         kg         2.90E+00         0         0         1.24E+01         0         1.53E+01           Soil system         Sludge         kg         1.01E+00         0         0         1.21E+01         0         1.21E+01           Low level ratio-active waste         kg         3.74E-04         9.07E-05         6.44E-09         2.62E-03         6.43E-06         3.09E-03           Low level ratio-active waste         kg         4.77E+01         6.65E+00         1.30E+00         3.02E+02         4.90E-01         3.58E+02           Mineral resources troue oil equivalent)         kg         1.27E+02         3.80E-03         0         3.15E+02         0         4.42E+02		l/u			Dust	kg	1.92E-02	7.78E-04	1.82E-03	1.13E-01	1.30E-03	1.36E-01
to         Slag         kg         2.90E+00         0         0         1.24E+01         0         1.53E+01           Soil system         Sludge         kg         1.01E+00         0         0         1.21E+01         0         1.21E+01           Low level ratio-active waste         kg         3.74E-04         9.07E-05         6.44E-09         2.62E-03         6.43E-06         3.09E-03           Low level ratio-active waste         kg         4.77E+01         6.65E+00         1.30E+00         3.02E+02         4.90E-01         3.58E+02           Mineral resources troue oil equivalent)         kg         1.27E+02         3.80E-03         0         3.15E+02         0         4.42E+02		/irc			BOD	kg	-	-	-	-	-	
to         Slag         kg         2.90E+00         0         0         1.24E+01         0         1.53E+01           Soil system         Sludge         kg         1.01E+00         0         0         1.21E+01         0         1.21E+01           Low level ratio-active waste         kg         3.74E-04         9.07E-05         6.44E-09         2.62E-03         6.43E-06         3.09E-03           Low level ratio-active waste         kg         4.77E+01         6.65E+00         1.30E+00         3.02E+02         4.90E-01         3.58E+02           Mineral resources troue oil equivalent)         kg         1.27E+02         3.80E-03         0         3.15E+02         0         4.42E+02		env	to		COD	kg	-	-	-	-	-	
to         Slag         kg         2.90E+00         0         0         1.24E+01         0         1.53E+01           Soil system         Sludge         kg         1.01E+00         0         0         1.21E+01         0         1.21E+01           Low level ratio-active waste         kg         3.74E-04         9.07E-05         6.44E-09         2.62E-03         6.43E-06         3.09E-03           Low level ratio-active waste         kg         4.77E+01         6.65E+00         1.30E+00         3.02E+02         4.90E-01         3.58E+02           Mineral resources troue oil equivalent)         kg         1.27E+02         3.80E-03         0         3.15E+02         0         4.42E+02		Б			N total	kg	-	-	-	-	-	
to         Slag         kg         2.90E+00         0         0         1.24E+01         0         1.53E+01           Soil system         Sludge         kg         1.01E+00         0         0         1.21E+01         0         1.21E+01           Low level ratio-active waste         kg         3.74E-04         9.07E-05         6.44E-09         2.62E-03         6.43E-06         3.09E-03           Low level ratio-active waste         kg         4.77E+01         6.65E+00         1.30E+00         3.02E+02         4.90E-01         3.58E+02           Mineral resources troue oil equivalent)         kg         1.27E+02         3.80E-03         0         3.15E+02         0         4.42E+02		o th	water	Jomain	P total	kg	-	-	-	-	-	
to         Slag         kg         2.90E+00         0         0         1.24E+01         0         1.53E+01           Soil system         Sludge         kg         1.01E+00         0         0         1.21E+01         0         1.21E+01           Low level ratio-active waste         kg         3.74E-04         9.07E-05         6.44E-09         2.62E-03         6.43E-06         3.09E-03           Low level ratio-active waste         kg         4.77E+01         6.65E+00         1.30E+00         3.02E+02         4.90E-01         3.58E+02           Mineral resources troue oil equivalent)         kg         1.27E+02         3.80E-03         0         3.15E+02         0         4.42E+02		to			SS	kg	-	-	-	-	-	
to         Slag         kg         2.90E+00         0         0         1.24E+01         0         1.53E+01           Soil system         Sludge         kg         1.01E+00         0         0         1.21E+01         0         1.21E+01           Low level ratio-active waste         kg         3.74E-04         9.07E-05         6.44E-09         2.62E-03         6.43E-06         3.09E-03           Low level ratio-active waste         kg         4.77E+01         6.65E+00         1.30E+00         3.02E+02         4.90E-01         3.58E+02           Mineral resources troue oil equivalent)         kg         1.27E+02         3.80E-03         0         3.15E+02         0         4.42E+02		du			Unspecified Solid Waste	kg	1.34E+00	4.33E-02	0	7.47E+01	9.71E+00	8.58E+01
Soil system         Soil system         Image		-			Slag	kg	2.90E+00	0	0	1.24E+01	0	1.53E+01
Low level radio-active waste         kg         3.74E-04         9.07E-05         6.44E-09         2.62E-03         6.43E-06         3.09E-03           t         Boo to the waste resources to to the waste         Energy resources (crude oil equivalent)         kg         4.77E+01         6.65E+00         1.30E+00         3.02E+02         4.90E-01         3.58E+02           t         Mineral resources (Iron ore equivalent)         kg         1.27E+02         3.80E-03         0         3.15E+02         0         4.42E+02					Sludge	kg	1.01E+00	0	0	1.11E+01	0	1.21E+01
term         term <th< td=""><td></td><td></td><td>Soil s</td><td>ystem</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>			Soil s	ystem								
Big     Big     Exhaustible resources (roude oil equivalent)     kg     4.77E+01     6.65E+00     1.30E+00     3.02E+02     4.90E-01     3.58E+02       Mineral resources (ron ore equivalent)     kg     1.27E+02     3.80E-03     0     3.15E+02     0     4.42E+02						kg	3.74E-04	9.07E-05	6.44E-09	2.62E-03	6.43E-06	3.09E-03
					Taulo-active waste							
		ес			Energy resources							
		otio				kg	4.77E+01	6.65E+00	1.30E+00	3.02E+02	4.90E-01	3.58E+02
		ose										
	÷	It Re nsu	resou	urces	Mineral resources	l.e.	4.075.00	2.005.02	0	2.455.02	0	4.405.00
	ien it	by Co			(Iron ore equivalent)	кд	1.27E+02	3.80E-03	U	3.15E+02	0	4.42E+02
E         Stress by the by	sm				. ,							
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	mp es:	arge			Global Warming	l.e.	4.445.00	2.005.04	4.205.00	4.005.00	0.005.04	4.055.00
To the second	- Iss	by schi			(CO2 equivalent)	кд	1.44E+02	2.06E+01	4.32E+00	1.06E+03	2.02E+01	1.25E+03
Acidification (SO2 equivalent) kg 2.25E-01 2.69E-02 1.56E-02 1.73E+00 2.65E-02 2.03E+00	0	act //Dis			· · · ·							
instruction         kg         2.25E-01         2.69E-02         1.56E-02         1.73E+00         2.65E-02         2.03E+00		imp. sion	Atmos	sphere	Acidification							
		nis:				kg	2.25E-01	2.69E-02	1.56E-02	1.73E+00	2.65E-02	2.03E+00
		шç			(002 oquivaloni)							

[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 thing, 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 in intended for use of the product (active mode, standby mode, etc.) and production, transportation to disposal of consumables/maintenance goods (e.g., replacement parts)

D. "Disposal" stage in intended for environmental impacts by product disposal.

#### 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. CQ in case of "Global Warming").

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

IV. Data entry format

- 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".
   D. Row total of the data is automatically calculated, excluding a row includes "--" item. Row total of such is presented as a blank (no data).

(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]

- 3. Distribution stage's impact is calculated according to the PCR. The transportation distance of a product from an overseas factory to the port of Japan is based on actual distance. The transportation distance in Japan uses 100 km as average distance
- 4. Use stage's impact is calculated according to the PCR. It includes the impact of printing 470400 sheets, calculated by supposing a user use a machine for 5 years.
- It also includes the electricity consumption of a machine calculated based on 5-year use, supposing a month consists of 4 weeks, with weekly electricity consumption calculated by the TEC test procedure.
- The production, distribution, and disposal/recycle impact of the consumables used in those 5 years is also included. The distribution impact of consumables is calculated under the same condition of products:
- The transportation distance of consumables from an overseas factory to the port of Japan is based on actual distance. The transportation distance in Japan uses 100 km as average distance. Since we have not collected consumables as a producer, which are newly introduced, they are assumed to be collected as general waste, crushed and separated as combustible/non-combustible material.
- This stage includes the incineration impact of combustible materials and the landfill impact of non-combustible materials of consumables. 5. Disposal stage: Since we have not collected machines as a producer, they are assumed to be collected as general waste, crushed and separated as combustible/non-combustible material.
- This stage includes the incineration impact of combustible materials and the landfill impact of non-combustible materials of machines.

<sup>1.</sup> Product weight includes the accessories as standard equipment, a toner cartridge and a drum unit. Packaging weight includes packaging material and appended goods (e.g., user's manual, other printed matter, polyethylene bags). 2. Production stage includes the production/distribution impact of the parts making up a machine and the initial set of a toner cartridge and a photo conductor, as well as the impact of product assembly.

Product data sheet



 (Input data and parameters for LCA)

 Document control no.
 F-03s-02

 Product vendor
 Brother Industries,LTD.

 EcoLEaf registration no.
 AD-11-145

	PSC name	EP	and IJ pri	nter(PCR ID:AD-04)	Product type			HL-4570C	DW		
LC	A/LCIA in units of:		1			21.6	Package (kg)	4.	.21	weight total (kg)	25.8
1. Prod	uct information (pe	r unit): parts etc	. by mater	ial and by process/assembly me	ethod						
		Brea	Math breakdown of parts, which need to apply Processing / Assembly base Units (Parts B,C)								
	Material name		Veight (kg)	Material name	Weight (kg)	Process name	e Weig	ht (kg)	Process	s name	Weight (kg)
	Steel		7.30E+00	Paper	3.25E+00	Press molding: Iror	n (kg) 7.56	E+00	Parts asse	embly (kg)	4.33E+00
t	Stainless steel		2.24E-01	Semiconductor substrate	1.51E+00	Press molding Nonferrous metal		7E-01			
quo	Aluminu	m ·	4.47E-01	Wood	2.40E-04	Injection molding	(kg) 1.15	E+01			
ŏ	Other me	tal	4.31E-02	Medium-sized motor	8.33E-01	Glass molding (k	(g) 3.63	3E-01			
Ľ.	Thermoplasti	c resin	1.13E+01	Lubricants	4.34E-03						
	Thermosettin	g resin	0								
	Rubbe	r i	5.27E-01								
	Glass		3.63E-01								
	Subtota	d i	2.02E+01	Subtotal	5.60E+00						
			Total		2.58E+01	Subtotal	1.97	'E+01	Subt	total	4.33E+00

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<sub>2</sub>, NO<sub>2</sub> equivalent.

	Classificatior	Material	Energy	Energy	Energy	Energy	Energy	Energy	Material
Ę	Distribution	Corrugated cardboard (kg)	Electricity (kwh)	2tŀラック (kg∙km)	Incineration: Industrial waste (kg)	LPG(NPG) as fuel (kg)	Gasoline as fuel (kg)	Freight by ship (kg.km)	PP (kg)
mption	Quantity	1.61E+00	1.05E+01	2.03E+02	1.62E+00	5.44E-02	9.59E-06	6.65E+02	6.95E-03
Ê	Note								
Insu	Classificatior	Energy	Energy	Energy	Energy				
Con	Distribution	Kerosene as fuel (kg)	Diesel truck: 20 ton (kg.km)	Heavy oil fuel (kg)	Diesel truck: 10 ton (kg.km)				
	Quantity	9.10E-04	1.44E+02	1.76E-01	1.06E+02				
	Note								
- e	Classificatior								
Emission / Discharge	Distribution								
is a	Quantity								
	Note								
Note									

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

	Means of transportation	Diesel truck: 20 ton (kg.km)	Freight by ship (kg.km)	Freight by ship (kg.km)	Freight by ship (kg.km)	Freight by ship (kg.km)			
-	Conditions	Mass (kg)	Distance (km)	Loading Ratio (%w)	Load (kg·km)	Mass (kg)	Distance (km)	Loading Ratio (%w)	Load (kg·km)
oution	Quantity	2.57E+01	3.00E+01	3.38E+01	2.28E+03	2.57E+01	2.54E+03	1.00E+02	6.53E+04
	Note								
Distri	Means of transportation	Diesel truck: 10 ton (kg.km)							
	Conditions	Mass (kg)	Distance (km)	Loading Ratio (%w)	Load (kg·km)				
	Quantity	2.57E+01	1.00E+02	3.37E+01	7.63E+03				
	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

	Classificatior	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption
	Distribution	The estimate (locale)	Diesel truck:	Freight by	Diesel truck:	Diesel truck:	Electroplated	Stainless	High density
	Distribution	Electricity (kwh)	20 ton (kg.km)	ship (kg.km)	2 ton (kg.km)	10 ton (kg.km)	steel Plate (kg)	steel plate (kg)	polyethylene (kg)
	Quantity	4.63E+02	2.97E+04	4.81E+05	3.65E+03	8.84E+04	3.80E+01	1.59E+00	4.50E-02
		Electricity	Distribution of	Distribution of	Distribution of	Distribution of			
	Note	consumption for			consumables used in				
		5 years	5 years	5 years	5 years	5 years			
	Classificatior	Process	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption
	Distribution	Incineration: Industrial waste (kg)	Copper plate (kg)	Aluminum plate (kg)	Low density polyethylene (kg)	PP (kg)	PS (kg)	Polycarbonate (kg)	PC-ABS(70/30)(kg)
	Quantity	8.31E+00	2.30E-01	4.89E+00	3.82E+00	5.22E+00	2.37E+01	4.34E+00	3.25E+00
	Note								
	Classificatior	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption
Product	Distribution	PA66 (Polyamide 66) (kg)	POM(polyacetal) (kg)	Expandable soft polyurethane (for bedding) (kg)	ABS (kg)	AS resin (kg)	MMA resin (kg)	PET (kg)	Expandable soft polyurethane (for automobile) (kg)
õ	Quantity	2.23E-01	5.12E+00	2.79E-02	8.36E+00	1.14E+01	4.39E-01	7.95E-01	8.97E-01
٩.	Note								
	Classificatior	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption
	Distribution	Nitrile-butadiene rubber (NBR) (kg)	Assembled circuit board(kg)	Corrugated cardboard (kg)	Cardboard (kg)	Paper (Western style)	Injection molding (kg)	Press molding: Iron (kg)	Nonferrous metal
	Quantity	6.88E+00	1.89E-03	5.49E+01	1.20E+01	1.94E+00	6.35E+01	3.54E+01	1.61E+01
	Note								
	Classificatior	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption		
	Distribution.	Desta and a desta		Gasoline as	Kerosene as	Heavy oil	Electricity		
	Distribution	Parts assembly (kg)	LNG (kg)	fuel (kg)	fuel (kg)	fuel (kg)	(kwh)		
	Quantity	6.13E+00	9.79E-01	1.20E-04	1.14E-02	4.91E+00	1.80E+02		
			Production of	Production of	Production of	Production of	Production of		
	Note				consumables used in				
			5 years	5 years	5 years	5 years	5 years		

Note Electric power consumption in 5 years of "Use stage" is 463kWh.

#### 4.2 Disposition/Recycle information on consumables and replacement parts

ŝŝ	Classificatior	Consumption	Process	Process	Process		
q	Distribution	Diesel truck:	Shredding (kg)	Incineration to	Landfill:		
nat		4 ton (kg.km)		landfill	General waste (kg)		
sul	Quantity	7.04E+03	1.08E+02	1.25E+02	4.62E+01		
ü	Note	Consumables not	Consumables not	Consumables not	Consumables not		
õ	Note	collected	collected	collected	collected		
Note							

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

	Classificatior	Consumption	Process	Process	Process		
.9	Distribution	Diesel truck:	Shredding (kg)	Incineration to	Landfill:		
ar		4 ton (kg.km)	Shredding (kg)	landfill	General waste (kg)		
ē	Quantity	2.14E+03	1.80E+01	1.47E+01	7.43E+00		
Ň	Note	Machines not	Machines not	Machines not	Machines not		
		collected	collected	collected	collected		
Note							

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