

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 homepage at http://www.ecoleaf-jemai.jp/eng/pcr.html
- 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]

Certified to the international ENERGY STAR Program V2.0, EU RoHS Manufactured at ISO14001 certified factories

PCR review was conducted by : PCR Deliberation Committee, January 01, 2008, Name of representative: Youji Uchivama, University of Tsukuba, Graduate School

Independent verification of the declaration and data, according to ISO14025:2006 □internal ■external Third party verifier: Hiromi Horikawa

Programme operator: Sustainable 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.

The Ecoleaf is an environmental labeling program that belongs to the ISO-TypeIII category.

Product Environmental Information Data Sheet (PEIDS)



v2.1

Unit Function DB version

Characterization Factor DB version

Document control no. F-02Bs-02 Product vendor TOSHIBA TEC CORPORATION EcoLeaf registration no AD-18-E1112-A

	PCR name		ne	EP and	IJ print	er	Product type	TOSHI	BA MFP e-STU	DIO7516AC(4_D	rawer)
	PC	R coo	le	AD-04		Product weight (kg)	213.1	Package (kg)	41.1	Weight total (kg)	254.2
				Life Cycle Stage	Unit	Produ		Distribution	Use	Disposition	Recycle
In/O	In/Out items				Raw material	Product				Effect	
	Energy Consumption			MJ	1.61E+04	3.53E+03	5.24E+03	7.30E+04	3.02E+02	-4.27E+03	
	1	<u> </u>		Cool	Mcal	3.85E+03 1.61E+02	8.43E+02	1.25E+03	1.74E+04 3.01E+02	7.21E+01 9.68E-01	-1.02E+03
			gy rces	Coal Crude oil (for fuel)	kg kg	1.39E+02	1.99E+01 3.52E+01	1.22E-02 1.14E+02	6.17E+02	4.79E+00	-6.11E+01 -2.35E+01
			Energy resources	LNG	kg	2.85E+01	1.21E+01	1.77E+00	1.81E+02	5.45E-01	-3.78E+00
				Uranium content of an ore	kg	2.58E-03	1.35E-03	8.29E-07	1.71E-02	6.55E-05	2.09E-05
	_			Crude oil (for material)	kg	5.31E+01	0	0	2.41E+02	0	-2.40E+01
	tion	ses		Iron content of an ore Cu content of an ore	kg kg	1.39E+02 3.95E+00	0	0	3.38E+01 5.77E-02	0	-6.17E+01 -4.88E-01
	hpi	urc		Al content of an ore	kg	4.40E+00	0	0	8.81E+00	0	-4.97E+00
	sur	eso	ŝ	Ni content of an ore	kg	6 72E-01	0	0	8.27E-03	0	-1.26E-03
	Son	9	rce	C content of an ore	kg	9.55E-01	0	0	2.28E-02	0	-2.29E-02
	Impact by Resource Consumption	Exhaustible resources	resources	Mn content of an ore	kg	7.97E-01	0	0	1.80E-01	0	-4.79E-02
	urc	sne	le	Pb content of an ore	kg kg	1.77E-01	0	0	4.68E-03 0	0	-3.96E-02
	Sol	xha	Mineral	Sn content of an ore Zn content of an ore	кg kg	0 1.74E+00	0	0	4.61E-02	0	0 -3.89E-01
	Re	Ш	ine	Au content of an ore	kg	0	0	0	0	0	0
	by		Σ	Ag content of an ore	kg	0	0	0	0	0	0
	act			Silica Sand	kg	6.18E+00	0	0	5.17E-01	0	-1.49E+00
es S	ď			Halite Limestone	kg kg	2.54E+01 2.86E+01	3.68E-03 0	0	5.54E+00 1.52E+01	9.84E-02 2.15E+00	-7.32E+00 -1.07E+01
iys	-			Natural soda ash	kg	4.61E-01	0	0	1.15E-02	0	-1.10E-01
y ana		alder	seo	Wood	kg	6.73E+01	0	0	1.70E+02	0	0
Inventory anaiyses		Renewable resources		Water	kg	6.55E+04	1.58E+04	9.17E+00	3.05E+05	8.10E+02	-9.53E+03
<u>L</u>				CO ₂	kg	9.33E+02	2.00E+02	3.71E+02	3.34E+03	1.29E+02	-2.43E+02
			Ð	Sox	kg	6.38E-01	1.40E-01	3.12E-01	2.48E+00	7.94E-02	-2.52E-01
	+	to Water system to Water to Water domain		Nox	kg	1.06E+00	2.44E-01	3.25E+00	5.69E+00	2.99E-01	-3.33E-01
	len			N ₂ O	kg	7.25E-02	1.48E-02	4.14E-02	2.01E-01	4.41E-04	-2.34E-02
	/u			CH4	kg	6.82E-03	3.60E-03	2.22E-06	4.55E-02	1.75E-04	1.46E-04
	Impact by Emission.			CO NMVOC	kg kg	1.45E-01	5.24E-02	1.14E+00	1.37E+00	8.39E-02 3.43E-04	-6.16E-02
	nis			CxHy	kg kg	1.33E-02 3.55E-02	7.07E-03 6.24E-03	4.34E-06 7.61E-02	8.90E-02 1.25E-01	3.43E-04 3.47E-03	2.85E-04 -1.16E-02
	Ч Ч			Dust	kg	1.25E-01	1.98E-02	2.76E-01	4.56E-01	1.83E-02	-4.92E-02
	t by	<u>-</u>		BOD	kg	-	-	-	-	-	-
	act	ate	system to Water domain	COD	kg	-	-	-	-	-	-
	mp	o Wate system	≈ e	N total	kg	-	-	-	-	-	-
		s to	9 0	P total SS	kg kg	-	-	-	-	-	-
				Unspecified Solid Waste	kg	7.49E+00	2.35E-02	0	5.81E+01	1.11E+02	-2.28E+00
		Soil	system	Slag	kg	4.52E+01	0	0	1.04E+01	0	-1.91E+01
		to to	sys	Sludge	kg	7.76E+00	0	0	1.89E+01	0	-1.07E+01
				Low level radio-active waste	kg	1.80E-03	9.43E-04	5.80E-07	1.19E-02	4.58E-05	1.45E-05
	ource	Istible	resources	Energy resources (crude oil equivalent)	kg	2.98E+02	7.36E+01	1.16E+02	1.17E+03	6.60E+00	-6.70E+01
it Jent	by Resource Consumption	Exhaustible	resor	Mineral resources (Iron ore equivalent)	kg	1.58E+03	0	0	2.14E+02	0	-2.37E+02
Impact	by Emission / by F Discharge to Con		nere	Global Warming (CO ₂ equivalent)	kg	9.53E+02	2.04E+02	3.82E+02	3.39E+03	1.29E+02	-2.49E+02
oc.	charge	to to	Atmosphere	Acidification (SO ₂ equivalent)	kg	1.38E+00	3.10E-01	2.59E+00	6.46E+00	2.89E-01	-4.85E-01
	Disc	2	At	-	-	-	-	-	-	-	-
	0 -		_	-	-	-	-	-		-	-
[Note	es for r	eaders [.]	Ecol eaf o	ommon 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. CO2 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 format

A. Exponential notation, after the decimal point to two, should be used.

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.)

B. Indicate "0" instead exponential notation, if the result of calculation or estimation is considered as "zero" or negligible in comparison to related results.

Form 3(F-03s-02)

Product data sheet

(Input data and parameters for LCA)

	(input data and parameters for LCA)
Document control no.	F-03s-02
Product vendor	TOSHIBA TEC CORPORATION
EcoLEaf registration no.	AD-18-E1112-A



	PCR name		P and IJ prin	ter (PCR-ID:AD-04)	Product t	ype	TOSHIBA MFP e-STUDIO7516AC(4_Drawer)					
LCA	LCIA in units of:			1	Product weig	jht (kg)	213.1	Pa	ckage (kg)	41.	.1 Weight total (k	g) 254.2
1. Product information (per unit): parts etc. by material and by process/assembly method												
		Bre	eakdown of pr	imary materials		Math b	reakdown of	parts, v	which need to	o apply F	Processing / Assembly Base	Units (Parts B, C)
	Material na	me	Weight (kg)	Material name	Weight (kg)	F	Process nai	me	Weigh	t (kg)	Process name	Weight (kg)
	Ordinary steel		1.23E+02	Paper	2.36E+01	Press	molding:lrc	on (kg) 1.26E	+02	Parts assembly (kg)	1.44E+00
	Stainless steel		4.24E+00	Wood	1.71E+01	Press molding: Nonferrous metal (kg)		g) 4.80E	+01			
ct	Other metals		4.50E+00	Semiconductor substrate	5.96E+00	Injec	tion moldir	ng (kg	g) 5.97E	+01		
roduct	Aluminun	n	3.42E+00	Medium-sized motor	8.95E+00	Gla	ass molding	g (kg)	3.73E	+00		
Pr	Glass		3.73E+00									
	Thermoplastic	resin	5.69E+01									
	Thermosetting	resin	9.71E-01									
	Rubber		1.83E+00									
	Subtotal		1.99E+02	Subtotal	5.56E+01							
			Total		2.54E+02		Subtotal		2.37E	+02	Subtotal	1.44E+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 SO₂, NO₂ equivalent.

	Classification	Energy	Energy	Energy	Energy	Material	Energy	Energy	Energy
	Distribution	Electricity (kWh)	Diesel oil as fuel (kg)	Heavy oil as fuel (kg)	Furnace LPG (kg)	Diesel truck: 10 ton (kg·km)	Gasoline as fuel (kg)	Urban gas (13A) (m3)	Furnace urban gas (13A) (m3)
ion	Quantity	6.07E+01	8.64E-03	7.40E-02	3.31E-01	5.29E+04	8.00E-05	4.46E-01	2.00E+00
npt	Note								
Consumption	Classification	Material	Material	Material	Material				
Col	Distribution	Industrial water (kg)	Clean water (kg)	Diesel truck: 4 ton (kg·km)	Freight by ship (kg·km)				
	Quantity	6.14E+02	2.13E+01	1.26E+03	6.68E+05				
	Note								
rge	Classification	Water system							
Emission/Discharge	Distribution	Sewage processing (kg)							
	Quantity	6.34E+02							
	Note								

Note : The impact of transportation from China to Singapore is also included.

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

	Means of transportation	Diesel truck: 10 ton (kg·km)	Diesel truck: 10 ton (kg·km)	Diesel truck: 10 ton (kg·km)	Diesel truck: 10 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)
Б	Quantity	2.54E+02	1.40E+01	3.56E+01	1.00E+04	2.54E+02	1.42E+04	1.00E+02	3.60E+06
outi	Note								
Distributi	Means of transportation	Diesel truck: 10 ton (kg·km)	Diesel truck: 10 ton (kg ⋅ km)	Diesel truck: 10 ton (kg·km)	Diesel truck: 10 ton (kg·km)				
	Conditions	Mass(kg)	Distance (km)	Loading Ratio(%w)	Load(kg·km)				
	Quantity	2.54E+02	3.30E+03	3.56E+01	2.36E+06				
	Note								

Note : The main body product is assumed to be transported from Singapore to USA .

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

Distribution Cold-Rolled steel plate (kg) Electropiated steel plate (kg) Stainless steel plate (kg) Aluminum plate (kg) Glass (kg) High density polyethylene (kg) Dow density polyethylene (kg) Polystyrene (kg) Quantity 2.93E+01 3.25E+00 4.80E-02 8.33E+00 1.40E-02 3.49E+01 1.59E-01 9.66E+01 Note		Classification	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption
Note Image: Construction Consumption		Distribution					Glass (kg)			Polystyrene (kg)
Classification Consumption Consumption Consumption Consumption Consumption Consumption Consumption Consumption Distribution ABS (70/30) (kg) POM (polyaceta) (kg) PA66 (polyamide 66) (kg) PET (kg) Expandable soft polyurethane (kg) Nitrile-butadiene rubber (NBR) (kg) Styrene- butadiene rubber (NBR) (kg) Consumption Corrugated cardboard (kg) Quantity 3.72E-01 1.68E+00 2.40E-01 1.61E+02 1.99E+00 2.72E-01 1.92E-01 7.93E+01 Note Consumption Process Process Olassification Consumption Consumption Consumption Consumption Consumption Consumption Consumption Process Process Distribution Paper (kg) Assembled (kg) Press molding: Iron (kg) Injection molding (kg) Glass molding (kg) Diesel truck: (kg) Freight by ship (kg) Quantity 5.99E-01 4.18E-01 <td></td> <td>Quantity</td> <td>2.93E+01</td> <td>3.25E+00</td> <td>4.80E-02</td> <td>8.33E+00</td> <td>1.40E-02</td> <td>3.49E+01</td> <td>1.59E-01</td> <td>9.66E+01</td>		Quantity	2.93E+01	3.25E+00	4.80E-02	8.33E+00	1.40E-02	3.49E+01	1.59E-01	9.66E+01
View Polycarbonate- ABS (70/30) (kg) POM (polyacetal) (kg) PA66 (Polyamide 66) (kg) PET (kg) Expandable soft polyurethane (for automobile) (kg) Nitrile-butadiene rubber (NBR) (kg) Styre- butadiene rubber (NBR) (kg) Corrugated cardboard (kg) Quantity 3.72E-01 1.68E+00 2.40E-01 1.61E+02 1.99E+00 2.72E-01 1.92E-01 7.93E+01 Note Consumption Consumption Consumption Consumption Consumption Consumption Process Process Distribution Paper (Kg) Assembled (kg) Press molding: Iron (kg) Press molding: Nonferrous metal (kg) Injection molding (kg) Glass molding (kg) Disel truck: 4 ton (kg-km) Freight by ship (kg-km) Quantity 5.99E-01 4.18E-01 3.29E+00 8.46E+01 1.37E+02 1.40E-02 1.43E+06 7.98E+05 Note		Note								
Distribution Polycarbonate- ABS (70/30) (kg) (polyacetal) (kg) POM (polyacetal) (kg) PA66 (Polyamide 66) (kg) PET (kg) polyurethane (kg) Nitthe-Dubatione rubber (NBR) (kg) butadiene rubber (NBR) (kg) Corrugated cardboard (kg) Quantity 3.72E-01 1.68E+00 2.40E-01 1.61E+02 1.9E+00 2.72E-01 1.92E-01 7.93E+01 Note Consumption Consumption Consumption Consumption Consumption Consumption Process Process Distribution Paper (Western style) (kg) Assembled circuit board (kg) Press molding: Iron (kg) Press molding: Iron (kg) Press molding: Nonferrous metal (kg) Injection molding (kg) Glass molding (kg) Diset truck: 4 ton (kg · km) Freight by ship (kg · km) Quantity 5.99E-01 4.18E-01 3.29E+00 8.46E+01 1.37E+02 1.40E-02 1.43E+06 7.98E+05 Note Consumption Consumption Consumption Consumption Consumption Consumption Consumption Consumption Consumption Distribution Electricity (kWh) Heavy oil as fuel (kg) Furnac		Classification	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption
Note Image: Classification Consumption Process Process Process Distribution Paper (kg) Assembled circuit board (kg) Press molding: lron (kg) Press molding: Nonferrous metal (kg) Injection molding (kg) Glass molding (kg) Disel truck: 4 ton (kg-km) Freight by ship (kg·km) Quantity 5.99E-01 4.18E-01 3.29E+00 8.46E+01 1.37E+02 1.40E-02 1.43E+06 7.98E+05 Note Consumption		Distribution		-	(Polyamide 66)	PET (kg)	polyurethane (for automobile)	rubber	butadiene rubber	U U
Image: Process of Classification Consumption Consumption Consumption Consumption Consumption Consumption Process Process Distribution Paper (kg) Assembled circuit board (kg) Press molding: lron (kg) Press molding: Nonferrous metal (kg) Injection molding (kg) Glass molding (kg) Diesel truck: 4 ton (kg·km) Freight by ship (kg·km) Quantity 5.99E-01 4.18E-01 3.29E+00 8.46E+01 1.37E+02 1.40E-02 1.43E+06 7.98E+05 Note Classification Consumption Consumption Consumption Consumption Consumption Consumption Consumption Consumption Distribution Electricity (kWh) Heavy oil as fuel (kg) Furnace LPG (kg) Gasoline as fuel (kg) Urban gas (13A) (m3) Furnace urban gas (13A) (m3) Industrial water (13A) (m3) Industrial water (kg) Clean water (kg) Quantity 3.92E+03 6.00E-03 2.90E-02 3.21E-01 1.95E+01 8.00E+00 2.94E+03 4.54E+03 Note Classification Discharge Conconconsing (kg) Conconsing (kg)		Quantity	3.72E-01	1.68E+00	2.40E-01	1.61E+02	1.99E+00	2.72E-01	1.92E-01	7.93E+01
Paper Assembled Press molding: Iron (kg) Press molding: Nonferrous metal (kg) Injection molding (kg) Glass molding (kg) Diesel truck: 4 ton (kg·km) Freight by ship (kg·km) Quantity 5.99E-01 4.18E-01 3.29E+00 8.46E+01 1.37E+02 1.40E-02 1.43E+06 7.98E+05 Note Classification Consumption <		Note								
Distribution(Western style) (kg)Assembled circuit board (kg)Press molding: iron (kg)Nonferrous metal (kg)Injection molding (kg)Glass molding (kg)Diesel truck: 4 ton (kg-km)Preight by ship (kg-km)Quantity5.99E-014.18E-013.29E+008.46E+011.37E+021.40E-021.43E+067.98E+05NoteClassificationConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionDistributionElectricity (kWh)Heavy oil as fuel (kg)Furnace LPG (kg) (kg)Gasoline as fuel (kg)Urban gas (13A) (m3)Furnace urban gas (13A) (m3)Industrial water (kg)Clean water (kg)Quantity3.92E+036.00E-032.90E-023.21E-011.95E+018.00E+002.94E+034.54E+03NoteClassificationDischargeIndustrial sewage processing (kg)Sewage processing (kg)Industrial sewage processing (kg)Industrial sewage processing (kg)Industrial sewage processing (kg)Industrial sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage sewage <td></td> <td>Classification</td> <td>Consumption</td> <td>Consumption</td> <td>Consumption</td> <td>Consumption</td> <td>Consumption</td> <td>Consumption</td> <td>Process</td> <td>Process</td>		Classification	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Process	Process
Quantity5.99E-014.18E-013.29E+008.46E+011.37E+021.40E-021.43E+067.98E+05NoteConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumption <td>Product</td> <td>Distribution</td> <td>(Western style)</td> <td></td> <td>U</td> <td>Nonferrous metal</td> <td>, ,</td> <td>U U</td> <td></td> <td></td>	Product	Distribution	(Western style)		U	Nonferrous metal	, ,	U U		
ClassificationConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionConsumptionDistributionElectricity (kWh)Heavy oil as fuel (kg)Furnace LPG (kg)Gasoline as fuel (kg)Urban gas (13A) (m3)Furnace urban gas (13A) (m3)Industrial water (kg)Iclean water (kg)Quantity3.92E+036.00E-032.90E-023.21E-011.95E+018.00E+002.94E+034.54E+03Note </td <td>-</td> <td>Quantity</td> <td>5.99E-01</td> <td>4.18E-01</td> <td>3.29E+00</td> <td>8.46E+01</td> <td>1.37E+02</td> <td>1.40E-02</td> <td>1.43E+06</td> <td>7.98E+05</td>	-	Quantity	5.99E-01	4.18E-01	3.29E+00	8.46E+01	1.37E+02	1.40E-02	1.43E+06	7.98E+05
DistributionElectricity (kWh)Heavy oil as fuel (kg)Furnace LPG (kg)Gasoline as fuel (kg)Urban gas (13A) (m3)Furnace urban gas (13A) (m3)Industrial water (kg)Clean water (kg)Quantity3.92E+036.00E-032.90E-023.21E-011.95E+018.00E+002.94E+034.54E+03Note </td <td></td> <td>Note</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		Note								
DistributionElectricity (kWh)Heavy oil as fuel (kg)Furnace LPG (kg)Gasoline as fuel (kg)Urban gas (13A) (m3)gas (13A) (m3)Industrial water (kg)Clean water (kg)Quantity3.92E+036.00E-032.90E-023.21E-011.95E+018.00E+002.94E+034.54E+03Note </td <td></td> <td>Classification</td> <td>Consumption</td> <td>Consumption</td> <td>Consumption</td> <td>Consumption</td> <td>Consumption</td> <td>Consumption</td> <td>Consumption</td> <td>Consumption</td>		Classification	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption
Note Image: Classification Discharge Image: Classification Discharge Image: Classification Distribution Sewage processing (kg) Image: Classification Image: Classification Image: Classification Quantity 3.66E+03 Image: Classification Image: Classification Image: Classification		Distribution	Electricity (kWh)		Furnace LPG (kg)		•	gas		Clean water (kg)
ClassificationDischargeImage: ClassificationDischargeImage: ClassificationClassificationSewage processing (kg)Image: ClassificationImage: ClassificationImage: ClassificationImage: ClassificationImage: ClassificationDistributionSewage processing (kg)Image: ClassificationImage: ClassificationImage: ClassificationImage: ClassificationImage: ClassificationQuantity3.66E+03Image: ClassificationImage: ClassificationImage: ClassificationImage: ClassificationImage: Classification		Quantity	3.92E+03	6.00E-03	2.90E-02	3.21E-01	1.95E+01	8.00E+00	2.94E+03	4.54E+03
Distribution Sewage processing (kg) Image: Construction of the second s		Note								
Distribution processing (kg) Quantity 3.66E+03		Classification	Discharge							
		Distribution								
Note		Quantity	3.66E+03							
		Note								

Note : The periodical replacement parts are assumed to be transported from China to USA.

4.2 Disposition/Recycle information on consumables and replacement parts

	Classification	Process	Process	Process	Process	Process	Process	Process	Process
se	Distribution	Shredding (kg)	Landfill: Industrial waste (kg)	Incineration: Industrial waste (kg)	Incineration to landfill (as ash) (kg)	Landfill: General waste (kg)	Sorting: Iron (by magnetic force) (kg)	Sorting: Nonferrous metal (by eddy current with wind force) (kg)	Sorting: Plastics (by relative density difference in water) (kg)
able	Quantity	2.74E+02	4.12E+00	8.10E+01	1.40E+02	2.46E+01	7.77E+01	6.46E+01	6.13E+01
m	Note								
Consumables	Classification	Process	Process	Process	Deduction	Deduction	Deduction		
	Distribution	Recycle: to cold-rolled steel (kg)	Recycle: to Aluminum plate (kg)	Recycle: to Thermoplastic pellet (kg)	Cold-Rolled steel plate (kg)	Aluminum plate (kg)	Polystyrene (kg)		
	Quantity	1.24E+01	3.33E+00	5.37E+01	1.12E+01	3.33E+00	9.99E+00		
	Note								

Note : The values in the above table are calculated based on actual results in Japan.

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

	Classification	Process	Process	Process	Process	Process	Process	Process	Process
	Distribution	Shredding (kg)	Landfill: Industrial waste (kg)	Incineration: Industrial waste (kg)	Incineration: Biomass (paper) (kg)	Incineration to landfill (as ash) (kg)	Landfill: General waste (kg)	Diesel truck: 10 ton (kg⋅km)	Diesel truck: 4 ton (kg∙km)
	Quantity	2.46E+02	1.22E+01	1.93E+01	6.83E+00	6.38E+01	8.88E+01	1.20E+05	1.48E+04
	Note								
	Classification	Process	Process	Process	Process	Process	Process	Process	Process
Scenario	Distribution	Sorting: Iron (by magnetic force) (kg)	Sorting: Nonferrous metal (by eddy current with wind force) (kg)	Sorting: Plastics (by relative density difference in water) (kg)	Recycle: to cold-rolled steel (kg)	Recycle: to copper plate (kg)	Recycle: to Aluminum plate (kg)	Recycle: to Glass (kg)	Recycle: to Thermoplastic pellet (kg)
	Quantity	8.26E+01	3.30E+01	2.98E+01	4.84E+01	1.62E+00	1.37E+00	1.32E+00	2.03E+01
	Note								
	Classification	Deduction	Deduction	Deduction	Deduction	Deduction	Deduction	Deduction	
	Distribution	Cold-Rolled steel plate (kg)	Copper plate (kg)	Aluminum plate (kg)	Polystyrene (kg)	Polycarbonate- ABS (70/30) (kg)	ABS (kg)	Glass (kg)	
	Quantity	4.84E+01	1.62E+00	1.37E+00	3.78E+00	6.66E+00	5.06E+00	1.32E+00	
	Note								

Note : The values in the above table are calculated based on actual results in Japan.

6. Others

This product is transported directly from China to USA too.