

Statistics

1.Number of contracting business entities and volume of requested recycling

	2000		2001		2002		2003		2004	
	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)
Total	59,449		62,057		63,595		67,196		69,648	
Glass bottles	3,803	375,245	3,901	416,262	3,863	450,959	3,883	492,146	3,878	531,692
Colorless	3,208	184,713	3,337	205,579	3,325	216,254	3,350	216,751	3,288	225,281
Amber	1,722	92,992	1,798	116,760	1,707	139,364	1,714	157,127	1,776	158,375
Other Colors	1,548	97,540	1,552	93,923	1,508	95,341	1,431	118,268	1,467	148,036
PET bottles	962	96,584	1,088	196,256	1,087	230,684	1,377	236,203	1,311	253,396
Paper	41,206	47,815	45,262	90,044	45,878	105,820	47,281	56,203	47,927	63,982
Plastics	56,944	151,470	59,609	256,428	61,067	311,801	64,861	441,559	67,291	546,635
	2005		2006		2007		2008		2009	
	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)
Total	70,540		70,831		71,409		71,329		72,014	1,541,439
Glass bottles	3,868	544,092	3,755	356,476	3,715	351,915	3,688	377,539	3,547	396,018
Colorless	3,265	239,224	3,177	132,721	3,145	131,666	3,132	155,078	3,020	155,076
Amber	1,786	143,613	1,719	105,369	1,667	107,754	1,639	113,982	1,577	133,560
Other Colors	1,449	161,255	1,381	118,386	1,349	112,495	1,315	108,478	1,260	107,383
PET bottles	1,352	255,019	1,256	298,523	1,292	272,850	1,353	283,417	1,353	257,906
Paper	48,630	72,580	48,378	41,749	52,597	56,364	52,519	32,064	52,902	33,934
Plastics	68,122	658,282	68,483	670,482	69,117	802,036	69,201	863,547	69,976	853,581
	2010		2011		2012		2013		2014	
	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)
Total	73,557	1,661,776	73,659	1,531,481	74,371	1,640,223	76,571	1,548,842	78,430	1,433,134
Glass bottles	3,479	404,265	3,367	366,035	3,334	367,843	3,287	360,900	3,235	361,398
Colorless	2,967	165,913	2,890	148,871	2,861	146,308	2,815	142,292	2,788	146,563
Amber	1,538	137,345	1,467	114,059	1,437	116,041	1,426	114,555	1,377	123,216
Other Colors	1,220	101,006	1,197	103,105	1,163	105,494	1,170	104,053	1,144	91,619
PET bottles	1,340	248,932	1,319	266,158	1,306	289,294	1,303	281,948	1,292	294,756
Paper	53,928	38,001	55,064	40,084	56,648	41,977	59,330	39,470	60,598	33,145
Plastics	71,666	970,578	71,903	859,204	72,306	941,109	74,914	866,524	76,388	743,835
	2015		2016		2018		2019		2020	
	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)
Total	80,059	1,576,615	80,827	1,573,843	80,588	1,525,442	81,492	1,563,937	153,938	1,551,176
Glass bottles	3,199	381,517	3,137	396,842	3,103	372,612	3,079	376,508	5,021	360,160
Colorless	2,755	152,658	2,700	147,041	2,670	151,937	2,647	155,102	2,608	144,559
Amber	1,365	126,102	1,359	124,739	1,333	111,630	1,339	117,455	1,324	115,466
Other Colors	1,138	102,758	1,115	125,062	1,089	109,045	1,100	103,950	1,089	100,135
PET bottles	1,276	307,043	1,198	289,347	1,242	282,048	1,227	265,287	1,222	263,568
Paper	64,334	38,262	65,285	38,432	66,065	32,839	66,777	34,752	67,603	36,185
Plastics	78,482	849,793	79,207	849,223	79,063	837,943	80,017	887,390	80,092	891,263
	2021		2022		2023		2024		2025	
	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)	Number of business	Volume of recycling (tons)
Total	152,041	1,491,765	151,531	1,406,801	151,616	1,374,020				
Glass bottles	4,934	343,715	4,855	348,116	4,784	352,566				
Colorless	2,562	146,934	2,525	151,119	2,487	156,261				
Amber	1,300	110,723	1,277	109,371	1,262	102,558				
Other Colors	1,072	86,058	1,053	87,626	1,035	93,747				
PET bottles	1,224	263,109	1,199	212,200	1,179	193,994				
Paper	66,852	35,523	66,602	33,984	66,872	35,598				
Plastics	79,031	849,418	78,875	812,501	78,781	791,862				

2. Recycling unit costs

(yen/kg) Without Consumption Tax

	2000	2001	2002	2003	2004	2005	2006	2007
Glass bottles: Colorle	4.27	4.2	3.7	3.1	2.8	2.6	3.9	3.8
Glass bottles: Amber	7.902	7.9	8.1	5.9	4.8	4.8	4.8	5.2
Glass bottles: Other C	8.327	9.3	9.3	8.8	8	6.4	7.1	5.8
PET bottles	91.363	86.2	77.3	65.8	48	31.2	9.1	1.8
Paper	60.311	60.3	43.2	25.9	19.2	12.6	20.4	12.5
Plastics	108	108	84.3	78.1	73	80	89.1	85.8
	2008	2009	2010	2011	2012	2013	2014	2015
Glass bottles: Colorle	3.3	4.1	3.8	4.2	3.9	4	4.4	4.4
Glass bottles: Amber	4.9	5.5	5.3	5.6	5.3	5.5	6.1	5.8
Glass bottles: Other C	6.7	9.2	9.5	8.9	8.1	8	8.7	9.4
PET bottles	1.8	1.7	4.2	3.6	3.4	4.5	1.5	3.3
Paper	15.5	13.3	16	13	12	12	14	13
Plastics	75.1	65.7	53.2	52	49	48	57	47
	2016	2017	2018	2019	2020	2021	2022	2023
Glass bottles: Colorle	4.2	4.1	4	4.3	4.3	4.6	5.1	6
Glass bottles: Amber	5.5	5.7	5.6	6	5.9	6.4	7.2	8.2
Glass bottles: Other C	9.7	9.9	10.3	11.6	13.7	17.5	23.6	16.1
PET bottles	2.3	2	9.2	2	3.2	4.5	5	14
Paper	12	13	15	12	13	16	14	23
Plastics	45	45	49	46	49	51	53	58
	2024	2025	2026	2027	2028	2029	2030	2031
Glass bottles: Colorle	10.4							
Glass bottles: Amber	13.5							
Glass bottles: Other C	21.4							
PET bottles	6.5							
Paper	25							
Plastics	62							

*Business entities pay the Recycling Fee (= Estimated Amount of Output x Calculation Coefficient x Recycling Unit Cost)

3. Payment unit costs

(yen/kg) Without Consumption Tax

	2008	2009	2010	2011	2012	2013	2014	2015
Glass bottles: Colorle	0	0	0	0	0	0	0	0
Glass bottles: Amber	0	0	0	0.1	0.1	0	0	0
Glass bottles: Other C	0	0	0	0.3	0.2	0.3	0	0
PET bottles	1.3	0.6	1.5	0.5	0.3	0.1	0.4	0.1
Paper	1.9	0.9	1.3	0.4	0.4	0.3	0.1	0.2
Plastics	10.6	11.1	10.3	2.7	1.6	2.8	1.9	1.9
	2016	2017	2018	2019	2020	2021	2022	2023
Glass bottles: Colorle	0	0.1	0	0	0	0	0	0
Glass bottles: Amber	0	0.1	0	0	0	0	0	0
Glass bottles: Other C	0	0	0	0	0	0	0	0
PET bottles	0.3	0.1	0	0	0	0	0.4	1.4
Paper	0.2	0.1	0.1	0.1	0	0	0	0
Plastics	2.7	0	0	0.3	0	0	0	0

4.Number of municipalities with contract and volume of taking-back

	2000		2001		2002		2003		2004	
	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back
Total	2,086		2,354		2,474		2,633		2,616	
Glass bottles	1,430	280,878	1,683	325,344	1,780	339,039	1,903	340,646	1,888	344,446
Colorless	1,091	79,836	1,365	97,100	1,433	102,788	1,580	109,086	1,555	109,932
Amber	1,201	111,199	1,470	129,892	1,504	130,311	1,631	130,274	1,605	129,539
Other Colors	1,341	89,843	1,585	98,352	1,669	105,940	1,811	101,285	1,800	104,975
PET bottles	1,707	96,652	2,042	131,027	2,186	153,860	2,348	173,875	2,315	191,726
Paper	83	11,243	131	21,685	143	24,687	243	30,652	250	28,111
Plastics	435	67,080	673	168,681	815	259,669	1,222	368,005	1,317	446,912
	2005		2006		2007		2008		2009	
	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back
Total	1,771		1,581		1,571		1,580		1,582	
Glass bottles	1,327	336,029	1,228	339,106	1,230	333,373	1,224	332,109	1,243	333,462
Colorless	1,038	103,132	916	104,474	913	101,460	921	100,432	928	102,510
Amber	1,078	123,707	975	121,548	969	119,210	983	118,946	989	118,878
Other Colors	1,279	109,190	1,183	113,084	1,195	112,703	1,184	112,731	1,195	112,075
PET bottles	1,352	169,917	1,082	140,416	1,082	140,013	1,137	153,732	1,211	188,783
Paper	183	27,477	165	28,618	154	27,860	148	26,814	144	25,554
Plastics	980	528,528	957	548,839	988	581,340	1,017	604,486	1,028	617,151
	2010		2011		2012		2013		2014	
	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back
Total	1,547		1,540		1,541		1,546		1,553	
Glass bottles	1,212	339,990	1,210	345,368	1,216	349,443	1,229	356,731	1,247	357,081
Colorless	908	107,147	907	109,032	910	107,884	930	111,135	944	109,356
Amber	951	120,838	959	121,434	967	120,500	980	122,064	999	119,222
Other Colors	1,175	112,004	1,175	114,902	1,189	121,058	1,193	123,532	1,211	128,503
PET bottles	1,186	194,205	1,176	194,996	1,180	194,777	1,198	199,962	1,202	192,715
Paper	147	28,410	148	26,895	145	25,581	147	24,753	148	23,278
Plastics	1,033	635,397	1,043	650,345	1,045	651,351	1,064	659,169	1,081	654,002
	2015		2016		2017		2018		2019	
	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back
Total	1,560		1,564		1,565		1,567		1,570	
Glass bottles	1,260	364,180	1,270	356,088	1,264	346,351	1,274	336,716	1,281	328,625
Colorless	960	112,396	964	108,947	960	106,514	967	103,249	970	97,876
Amber	1,017	118,555	1,020	113,869	1,015	108,403	1,022	103,846	1,025	101,310
Other Colors	1,225	133,230	1,235	133,273	1,224	131,434	1,243	129,621	1,245	129,440
PET bottles	1,200	192,169	1,212	194,865	1,212	198,821	1,210	211,480	1,222	217,065
Paper	145	22,660	143	22,195	145	21,629	140	20,897	142	20,729
Plastics	1,093	663,014	1,089	657,264	1,096	649,573	1,100	646,914	1,108	654,538
	2020		2021		2022		2023		2024	
	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back	Number of municipali	Volume of taking-back
Total	1,574		1,577		1,592		1,587			
Glass bottles	1,290	335,107	1,308	335,045	1,342	327,416	1,349	314,246		
Colorless	971	98,069	978	96,785	985	94,832	994	92,339		
Amber	1,027	99,390	1,031	98,809	1,041	99,124	1,045	95,840		
Other Colors	1,261	137,648	1,270	139,451	1,317	133,460	1,312	126,067		
PET bottles	1,228	227,338	1,242	236,512	1,206	219,676	1,152	204,969		
Paper	138	20,274	139	20,131	144	20,146	143	13,898		
Plastics	1,107	681,436	1,113	686,467	1,124	682,286	1,115	651,091		

5. Number of recyclers

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Glass bottles	87	101	114	121	104	85	78	79	75
PET bottles	42	51	56	58	59	48	46	50	49
Paper	21	22	31	43	47	46	41	37	46
Plastics	41	65	86	79	74	84	75	92	82
	2009	2010	2011	2012	2013	2014	2015	2016	2017
Glass bottles	67	62	60	62	55	53	53	56	51
PET bottles	51	52	52	56	1h:55 2h:48	1h:52 2h:49	1h:52 2h:48	1h:47 2h:40	1h:46 2h:46
Paper	39	47	41	44	45	45	46	46	48
Plastics	85	79	74	65	65	54	55	52	46
	2018	2019	2020	2021	2022	2023	2024		
Glass bottles	54	49	47	49	45	46	46		
PET bottles	1h:39 2h:38	1h:40 2h:37	1h:41 2h:41	1h:41 2h:35	1h:35 2h:32	1h:37 2h:34	33		
Paper	49	45	44	44	43	43	42		
Plastics*	38	37	36	36	36	34*	35*		

*Including businesses that handle sorted collection items under the Act on Promotion of Resource Circulation Related to Plastics (June 20:

6. Use of recycled products

	2000		2001		2002		2003		2004	
	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage
Glass bottles	264,688		304,764		317,817		317,766		320,478	
Colorless	73,804	100.00%	90,333	100.00%	94,341	100.00%	104,672	100.00%	101,566	100.00%
From bottle to bottle	70,388	95.40%	87,429	96.80%	76,436	81.00%	95,006	90.80%	91,877	90.50%
Others	3,416	4.60%	2,904	3.20%	17,905	19.00%	9,666	9.20%	9,689	9.50%
Amber	103,701	100.00%	121,696	100.00%	123,439	100.00%	119,042	100.00%	121,707	100.00%
From bottle to bottle	84,297	81.30%	87,469	71.90%	84,885	68.80%	107,044	89.90%	109,756	90.20%
Others	19,404	18.70%	34,227	28.10%	38,554	31.20%	11,998	10.10%	11,951	9.80%
Other Colors	87,183	100.00%	92,734	100.00%	100,037	100.00%	94,051	100.00%	97,205	100.00%
From bottle to bottle	7,303	8.40%	5,185	5.60%	5,332	5.30%	15,069	16.00%	19,816	20.40%
Others	79,880	91.60%	87,549	94.40%	94,705	94.70%	78,982	84.00%	77,389	79.60%
PET bottles	68,575	100.00%	94,912	100.00%	112,485	100.00%	124,298	100.00%	147,698	100.00%
Textiles	38,317	55.90%	48,659	51.30%	58,940	52.40%	57,445	46.20%	63,554	43.00%
Plastic sheet	23,407	34.10%	37,510	39.50%	45,632	40.50%	50,021	40.20%	54,589	37.00%
Bottles	326	0.50%	381	0.40%	606	0.60%	11,312	9.10%	23,351	15.80%
Molded products	3,802	5.50%	5,330	5.60%	5,314	4.70%	3,944	3.20%	4,239	2.90%
Others	2,723	4.00%	3,032	3.20%	1,993	1.80%	1,576	1.30%	1,965	1.30%
Paper	10,230	100.00%	20,793	100.00%	24,358	100.00%	29,881	100.00%	27,163	100.00%
Materials	4,546	44.40%	15,301	73.60%	20,284	83.30%	26,969	90.30%	25,053	92.20%
Materials for other than paper	2,566	25.10%	1,196	5.70%	157	0.70%	15	0.00%	203	0.80%
Refuse Derived Fuel	3,118	30.50%	4,295	20.70%	3,917	16.00%	2,897	9.70%	1,907	7.00%
Plastics	43,830	100.00%	118,470	100.00%	180,162	100.00%	256,150	100.00%	309,537	100.00%
Plastics	43,296	98.80%	117,598	99.30%	179,238	99.50%	255,128	99.60%	308,514	99.70%
Molding materials	4,882	11.10%	9,246	7.80%	23,426	13.00%	41,626	16.20%	56,035	18.10%
Pyrolytic oil	3,348	7.60%	7,886	6.70%	6,828	3.80%	5,847	2.30%	6,426	2.10%
Reducing agent in blast furnaces	24,656	56.30%	42,306	35.70%	46,621	25.90%	58,811	23.00%	55,870	18.00%
Chemical raw material for the coke oven	9,771	22.30%	50,631	42.70%	91,175	50.60%	120,767	47.10%	137,980	44.60%
Synthetic gas	638	1.50%	7,529	6.40%	11,188	6.20%	28,076	11.00%	52,203	16.90%
Tray	533	1.20%	872	0.70%	924	0.50%	1,022	0.40%	1,023	0.30%
Molding materials	520	1.20%	777	0.70%	921	0.50%	1,022	0.40%	1,023	0.30%
Pyrolytic oil	13	0.00%	95	0.00%	3	0.00%	0	(-)	0	(-)

	2005		2006		2007		2008		2009	
	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage
Glass bottles	321,990		324,967		316,288		308,853		317,165	
Colorless	96,514	100.00%	102,046	100.00%	95,172	100.00%	93,832	100.00%	96,731	100.00%
From bottle to bottle	93,472	96.80%	99,488	97.50%	91,783	96.40%	91,505	97.50%	94,742	97.90%
Others	3,042	3.20%	2,558	2.50%	3,389	3.60%	2,327	2.50%	1,989	2.10%
Amber	117,455	100.00%	115,727	100.00%	112,690	100.00%	111,561	100.00%	112,709	100.00%
From bottle to bottle	102,935	87.60%	105,051	90.80%	102,148	90.60%	102,826	92.20%	104,143	92.40%
Others	14,520	12.40%	10,676	9.20%	10,542	9.40%	8,734	7.80%	8,566	7.60%
Other Colors	108,020	100.00%	107,194	100.00%	108,426	100.00%	103,460	100.00%	107,725	100.00%
From bottle to bottle	19,880	18.40%	22,967	21.40%	17,209	15.90%	26,707	25.80%	33,153	30.80%
Others	88,140	81.60%	84,227	78.60%	91,217	84.10%	76,753	74.20%	74,572	69.20%
PET bottles	143,032	100.00%	106,445	100.00%	111,847	100.00%	121,500	100.00%	158,296	100.00%
Textiles	64,103	44.80%	55,458	52.10%	61,292	54.80%	67,685	55.70%	83,374	52.70%
Plastic sheet	58,788	41.10%	41,088	38.60%	43,285	38.70%	46,808	38.50%	61,441	38.80%
Bottles	12,134	8.50%	6,493	6.10%	3,915	3.50%	3,278	2.70%	3,968	2.50%
Molded products	6,217	4.30%	3,087	2.90%	2,796	2.50%	2,965	2.40%	8,326	5.30%
Others	1,790	1.30%	319	0.30%	559	0.50%	761	0.60%	1,187	0.70%
Paper	26,471	100.00%	28,093	100.00%	27,083	100.00%	26,660	100.00%	24,702	100.00%
Materials	24,894	94.00%	26,689	95.00%	25,813	95.30%	25,125	94.20%	22,564	91.30%
Materials for other than paper	223	0.90%	47	0.20%	197	0.70%	262	1.00%	269	1.10%
Refuse Derived Fuel	1,354	5.10%	1,357	4.80%	1,073	4.00%	1,274	4.80%	1,869	7.60%
Plastics	365,924	100.00%	380,434	100.00%	381,163	100.00%	374,590	100.00%	393,740	100.00%
Plastics	364,991	99.70%	379,589	99.70%	380,353	99.80%	373,812	99.80%	392,997	99.80%
Molding materials	88,852	24.20%	131,256	34.50%	149,678	39.30%	171,475	45.80%	170,899	43.40%
Pyrolytic oil	6,993	1.90%	4,389	1.20%	4,258	1.10%	2,730	0.70%	6,729	1.70%
Reducing agent in blast furnaces	36,444	10.00%	37,282	9.80%	31,259	8.20%	15,605	4.20%	25,751	6.50%
Chemical raw material for the coke oven	174,061	47.60%	152,103	40.00%	138,626	36.40%	137,320	36.70%	145,035	36.80%
Synthetic gas	58,641	16.00%	54,559	14.30%	56,531	14.90%	46,682	12.50%	44,583	11.30%
Tray	933	0.30%	845	0.20%	810	0.20%	778	0.20%	743	0.20%
Molding materials	933	0.30%	845	0.20%	810	0.20%	778	0.20%	743	0.20%
Pyrolytic oil	0	(-)	0	(-)	0	(-)	0	(-)	0	(-)

	2010		2011		2012		2013		2014	
	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage
Glass bottles	322,090		326,798		331,017		332,970		336,298	
Colorless	101,730	100.00%	102,705	100.00%	107,884	100.00%	103,586	100.00%	102,887	100.00%
From bottle to bottle	100,375	98.70%	101,038	98.40%	98,916	91.70%	101,380	97.90%	99,506	96.70%
Others	1,355	1.30%	1,667	1.60%	2,080	1.90%	2,205	2.10%	3,381	3.30%
Amber	112,810	100.00%	115,468	100.00%	120,500	100.00%	114,534	100.00%	110,087	100.00%
From bottle to bottle	108,689	96.30%	111,729	96.80%	111,335	92.40%	111,196	97.10%	107,564	97.70%
Others	4,120	3.70%	3,739	3.20%	1,574	1.30%	3,337	2.90%	2,524	2.30%
Other Colors	107,551	100.00%	108,624	100.00%	121,058	100.00%	114,851	100.00%	123,324	100.00%
From bottle to bottle	29,963	27.90%	31,441	28.90%	31,368	25.90%	36,525	31.80%	34,017	27.60%
Others	77,588	72.10%	77,184	71.10%	85,743	70.80%	78,325	68.20%	89,306	72.40%
PET bottles	153,192	100.00%	154,357	100.00%	155,017	100.00%	168,805	100.00%	150,056	100.00%
Textiles	79,824	52.10%	79,074	51.20%	74,605	48.10%	73,635	43.60%	67,347	44.90%
Plastic sheet	57,646	37.60%	59,563	38.60%	61,684	39.80%	69,108	40.90%	59,152	39.40%
Bottles	8,940	5.80%	7,534	4.90%	12,343	8.00%	19,581	11.60%	19,667	13.10%
Molded products	6,443	4.20%	7,815	5.10%	6,027	3.90%	6,081	3.60%	3,664	2.40%
Others	339	0.20%	370	0.20%	357	0.20%	400	0.20%	225	0.20%
Paper	27,297	100.00%	25,925	100.00%	24,403	100.00%	24,715	100.00%	22,830	100.00%
Materials	25,318	92.80%	24,437	94.30%	22,966	94.10%	23,109	93.50%	21,207	92.90%
Materials for other than paper	253	0.90%	247	1.00%	14	0.10%	190	0.80%	172	0.80%
Refuse Derived Fuel	1,726	6.30%	1,241	4.80%	1,422	6.20%	1,416	5.70%	1,451	6.40%
Plastics	418,681	100.00%	426,068	100.00%	434,270	100.00%	434,035	100.00%	438,499	100.00%
Plastics	417,990	99.80%	425,437	99.90%	433,695	99.90%	433,531	99.90%	438,029	
Molding materials	163,515	39.10%	170,183	39.90%	166,957	38.40%	171,285	39.50%	168,822	38.50%
Pyrolytic oil	1,057	0.30%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Reducing agent in blast furnaces	24,851	5.90%	24,131	5.70%	24,380	5.60%	28,801	6.60%	25,320	5.80%
Chemical raw material for the coke oven	175,579	41.90%	179,759	42.20%	180,778	41.60%	174,969	40.40%	193,160	44.10%
Synthetic gas	52,988	12.70%	51,364	12.10%	61,579	14.20%	58,476	13.50%	50,727	11.60%
Tray	692	0.20%	631	0.10%	576	0.10%	504	0.10%	470	0.10%
Molding materials	692	0.20%	631	100%	576	100%	504	100%	470	100%
Pyrolytic oil	0	(-)	0	(-)	0	(-)	0	(-)	0	(-)

	2015		2016		2017		2018		2019	
	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage
Glass bottles	347,958		338,740		327,054		322,569		309,010	
Colorless	105,095	100.00%	102,771	100.00%	98,532	100.00%	98,762	100.00%	93,048	100.00%
From bottle to bottle	101,605	96.70%	99,773	97.10%	96,212	97.60%	97,155	98.40%	91,104	97.90%
Others	3,490	3.30%	2,998	2.90%	2,320	2.40%	1,607	1.60%	1,944	2.10%
Amber	113,266	100.00%	107,301	100.00%	102,229	100.00%	98,354	100.00%	95,347	100.00%
From bottle to bottle	110,736	97.80%	106,515	99.30%	101,324	99.10%	96,845	98.50%	94,811	99.40%
Others	2,529	2.20%	787	0.70%	906	0.90%	1,509	1.50%	536	0.60%
Other Colors	129,597	100.00%	128,668	100.00%	126,292	100.00%	125,453	100.00%	120,614	100.00%
From bottle to bottle	32,171	24.80%	33,607	26.10%	32,784	26.00%	38,166	30.40%	35,451	29.40%
Others	97,426	75.20%	95,061	73.90%	93,508	74.00%	87,288	69.60%	85,163	70.60%
PET bottles	161,026	100.00%	154,137	100.00%	157,473	100.00%	169,627	100.00%	179,714	100.00%
Textiles	66,946	41.60%	57,062	37.00%	52,983	33.60%	55,543	32.70%	58,060	32.30%
Plastic sheet	73,038	45.40%	68,758	44.60%	69,471	44.10%	69,140	40.80%	76,535	42.60%
Bottles	17,190	10.60%	24,554	15.90%	32,409	20.60%	38,546	22.70%	39,983	22.30%
Molded products	3,554	2.20%	3,466	2.20%	2,366	1.50%	6,157	3.60%	5,074	2.80%
Others	299	0.20%	297	0.20%	243	0.20%	242	0.10%	63	0.00%
Paper	22,161	100.00%	21,619	100.00%	20,816	100.00%	20,848	100.00%	20,469	100.00%
Materials	20,751	93.60%	20,355	94.20%	19,553	93.90%	19,642	94.20%	19,325	94.40%
Materials for other than paper	154	0.70%	166	0.80%	160	0.80%	153	0.70%	159	0.80%
Refuse Derived Fuel	1,256	5.70%	1,098	5.10%	1,102	5.30%	1,053	5.10%	985	4.80%
Plastics1	443,046	100.00%	438,658	100.00%	439,012	100.00%	424,186	100.00%	439,165	100.00%
Plastics	442,649	99.90%	438,250	99.90%	438,642	99.90%	423,849	99.90%	438,831	99.90%
Molding materials	166,518	37.60%	165,330	37.70%	160,699	36.60%	180,064	42.40%	171,427	39.10%
Pyrolytic oil	0	-%	0	-%	0	-%	0	-%	0	-%
Reducing agent in blast furnaces	28,989	6.50%	27,780	6.30%	26,599	6.10%	26,890	6.30%	26,491	6.00%
Chemical raw material for the coke oven	192,146	43.40%	190,594	43.50%	194,276	44.30%	170,620	40.20%	196,217	44.70%
Synthetic gas	54,995	12.40%	54,545	12.40%	57,108	13.00%	46,275	10.90%	44,697	10.20%
Tray	397	0.10%	408	0.10%	370	0.10%	337	0.10%	334	0.10%
Molding materials	397	0.10%	408	0.10%	370	0.10%	337	0.10%	334	0.10%
Pyrolytic oil	0	(-)	0	(-)	0	(-)	0	(-)	0	(-)

	2020		2021		2022		2023		2024	
	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage	Sales volume (tons)	Percentage
Glass bottles	313,731		323,026		313,236		296,827			
Colorless	92,073		90,552		89,345		87,634			
From bottle to bottle	91,130	99.00%	88,819	98.10%	87,040	97.40%	85,783	97.90%		
Others	943	1.00%	1,732	1.90%	2,304	2.60%	1,851	2.10%		
Amber	90,299		93,501		94,921		90,468			
From bottle to bottle	89,790	99.40%	93,049	99.50%	94,298	99.30%	89,678	99.10%		
Others	509	0.60%	452	0.50%	623	0.70%	790	0.90%		
Other Colors	131,359		138,974		128,970		118,725			
From bottle to bottle	40,678	31.00%	33,099	23.80%	35,375	27.40%	33,643	28.30%		
Others	90,681	69.00%	105,875	76.20%	93,596	72.60%	85,082	71.70%		
PET bottles	178,992		196,601		177,090		177,056			
Textiles	46,597	26.00%	51,854	26.40%	36,455	20.60%	26,064	14.70%		
Plastic sheet	66,936	37.40%	73,984	37.60%	53,952	30.50%	54,948	31.00%		
Bottles	57,324	32.10%	63,337	32.20%	80,323	45.30%	93,158	52.60%		
Molded products	8,049	4.50%	7,231	3.70%	6,061	3.40%	2,806	1.60%		
Others	86	0.00%	194	0.10%	299	0.20%	80	0.00%		
Paper	19,785		19,654		19,874		13,867			
Materials	18,697	94.50%	18,573	94.50%	18,682	94.00%	12,769	92.10%		
Materials for other than paper	158	0.80%	150	0.80%	175	0.90%	169	1.20%		
Refuse Derived Fuel	930	4.70%	930	4.70%	1,017	5.10%	930	6.70%		
Plastics1	450,495		461,574		453,106		431,797			
Plastics	450,155		461,240		452,788		410,244			
Molding materials	184,731	41.00%	186,093	40.30%	191,946	42.40%	173,471	40.20%		
Pyrolytic oil	0	-	0	-	0	-	0	-		
Reducing agent in blast furnaces	27,058	6.00%	29,141	6.30%	26,424	5.80%	12,271	2.80%		
Chemical raw material for the coke oven	196,670	43.70%	210,904	45.70%	192,934	42.60%	180,316	41.80%		
Synthetic gas	41,696	9.30%	35,103	7.60%	41,484	9.20%	44,187	10.20%		
Tray	341	0.10%	334	0.10%	318	0.10%	309	0.10%		
Molding materials	341	0.10%	334	0.10%	318	0.10%	309	0.10%		
Pyrolytic oil	0	(-)	0	(-)	0	(-)	0	(-)		