

Key Performance Indicators

Materials Used by Weight and Volume

Consumables in tons ¹	2020	2021	2022
Total promotional materials	534,586	537,310	475,185
from fresh fibers ²	222,317	243,182	216,424
from recycled material ²	312,270	294,128	258,761
Total printing paper	5,074	5,147	3,872
from fresh fibers ²	1,963	2,251	1,693
from recycled material ²	3,111	2,896	2,179
Total bread bags	15,730	16,970	23,703
from fresh fibers ²	15,408	16,970	23,341
from recycled material ²	321	0	363
Waste bags	7,911	8,470	9,227
Plastic bags/produce bags	6,203	5,279	6,146
Stretch film (packaging material)	13,129	13,057	14,118
Reusable nets for fruits & vegetables sold (in units)	10,105,147	6,777,414	4,255,822

1 | The calendar year was used.

2 | For consumables made from paper, we differentiate between fresh-fiber and recycled paper types. If the consumables are made from both fresh fibers and recycled paper, the larger proportion is key to assigning a paper type.

Recyclable Materials and Waste by Type and Recovery Process in Tons¹

	FY	Reusing	Recycling	Fermenting	Composting	Thermal recovery with energy recovery	Combustion	Disposal	Miscellaneous ²	Total
Total weight	2020	9,697	2,110,531	347,771	13,930	137,449	17,475	184,744	33,699	2,855,295
Recyclable materials	2021	68,561	2,117,581	379,641	14,070	155,373	15,871	193,100	35,867	2,980,065
	2022	82,407	2,120,891	407,524	10,600	166,829	18,936	164,267	47,305	3,018,758
Of which non-hazardous waste	2020	9,625	2,099,994	347,771	13,930	137,096	17,254	184,628	31,335	2,841,632
	2021	68,530	2,109,813	379,641	14,070	154,671	15,638	193,007	33,604	2,968,976
	2022	81,042	2,112,231	407,524	10,600	166,666	18,452	164,162	44,340	3,005,017
Paper / cardboard / carton	2020	31	1,645,729	0	0	1,904	405	0	35	1,648,103
	2021	30	1,696,695	0	0	1,229	797	0	14	1,698,766
	2022	29	1,693,020	0	0	962	30	0	907	1,694,948
Organic waste	2020	0	61,884	347,771	13,930	4,166	6,651	19,055	11,136	464,592
	2021	29,913	56,564	379,641	13,332	2,940	7,374	17,929	13,961	521,655
	2022	33,123	53,880	407,524	9,889	2,345	5,761	14,847	14,942	542,310
Residual waste	2020	0	0	0	0	119,696	9,159	161,342	19,778	309,976
	2021	0	0	0	0	128,457	7,049	168,766	19,294	323,567
	2022	0	0	0	0	143,817	12,488	146,866	26,494	329,666
PET ³	2020	0	165,323	0	0	0	0	0	0	165,323
	2021	0	155,006	0	0	0	0	0	1	155,007
	2022	0	166,187	0	0	0	0	0	0	166,186
Plastic	2020	0	70,606	0	0	4,461	0	821	20	75,908
	2021	0	70,065	0	0	8,794	6	845	233	79,943
	2022	0	71,824	0	0	7,080	29	292	119	79,344

1 | This table only contains recyclables of the companies of Schwarz Group. Recyclables that PreZero collects from its customers and processes are not included.

2 | The category "Miscellaneous" is a compound category which also includes volumes that cannot be positively assigned to the abovementioned categories.

3 | The figures shown contain the recyclable PET materials of all companies of Schwarz Group.

4 | This includes for example, old paints/varnishes, household/industrial batteries, energy-saving bulbs, electrical waste, fluorescent tubes, (neon) toner, cleaning products, acids and lye, solvents, spray bottles.



	FY	Reusing	Recycling	Fermenting	Composting	Thermal recovery with energy recovery	Combustion	Disposal	Miscellaneous ²	Total
Wood	2020	0	88,961	0	0	5,159	486	851	3	95,462
	2021	32,037	55,611	0	738	6,191	2	997	4	95,580
	2022	36,227	54,850	0	711	3,885	0	725	981	97,379
Scrap	2020	0	36,261	0	0	0	0	58	0	36,319
	2021	0	44,112	0	0	0	0	15	0	44,127
	2022	0	41,043	0	0	0	0	17	0	41,061
Glass	2020	0	23,782	0	0	0	0	0	0	23,782
	2021	0	23,439	0	0	0	0	0	0	23,439
	2022	0	23,434	0	0	0	0	0	0	23,434
Textiles	2020	4,069	49	0	0	33	24	9	1	4,185
	2021	2,893	6	0	0	9	5	41	1	2,954
	2022	3,147	20	0	0	15	12	24	0	3,219
Miscellaneous	2020	5,525	7,398	0	0	1,677	528	2,492	362	17,983
	2021	3,658	8,314	0	0	7,051	405	4,414	96	23,938
	2022	8,516	7,974	0	0	8,562	133	1,390	897	27,471
Of which hazardous waste ⁴	2020	72	10,537	0	0	353	221	116	2,364	13,663
	2021	31	7,768	0	0	702	233	93	2,263	11,089
	2022	1,365	8,660	0	0	163	484	104	2,965	13,741

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Recycling Rate, Recyclability and Use of Recyclables

	Unit	2020	2021	2022	2021/22 delta
Recycling rates of recyclable materials accumulated internally					
Total recyclable materials	t	2,855,295	2,980,065	3,018,758	+1.3 %
Recycling	t	2,110,531	2,117,581	2,120,891	+0.2 %
Recycling rate	%	73.9	71.1	70.3	-0.8 %P
Recyclability of plastic packaging					
Recyclability	%	33.8	49.7	53.2	+3.5 %P
Recycled materials in own-brand primary plastic packaging					
Recycled materials content	%	10.2	14.3	17.4	+3.1 %P
Recycled materials content LCH/cosmetics	%	-	14.2	16.9	+19.0 %
Recycled material produced					
Recycled material produced by Schwarz Produktion	t	39,059	54,265	58,861	+8.5 %
Recycled material produced by PreZero	t	-	87,594	123,535	+41.0 %
Reduction of plastic in private labels					
Plastic use	g/€ sales	8.0	7.5	6.6	-28.4 %
Reduction in microplastics					
Proportion of microplastic-free items	%	22.0	89.6	97.8	+8.2 %P



Recovery Types

Data in tons	2020	2021	2022
Total waste	2,855,295	2,980,065	3,018,758
Recycling	2,110,531	2,117,581	2,120,891
Reusing	9,697	68,561	82,407
Fermenting	347,771	379,641	407,524
Composting	13,930	14,070	10,600
Thermal recovery with energy recovery	137,449	155,373	166,829
Combustion	17,475	15,871	18,936
Disposal	184,744	193,100	164,267
Miscellaneous	33,699	35,867	47,305