

(Formerly Series No. MA32A)

Information about the scope of the survey, methodology, explanation of terms and historical notes for this survey may be found in the introduction of the 1997 Manufacturing Profiles, issued August 1999.

Current data are released electronically on Internet for all individual surveys as they become available. Use: <http://www.census.gov/econ/www/manumenu.html>. Individual reports can be accessed by choosing "Current Industrial Reports (CIR's)," clicking on "Report Number Index;" from the "Industrial Products by Numeric Index," choose the survey of interest. Follow the menu to view the PDF file or to download the worksheet file (WK format) to your personal computer.

These data are also available through the U.S. Department of Commerce and STAT-USA Electronic Bulletin Board by subscription. To access, dial 202-482-3870 and follow the prompts to register. Also, you may call 202-482-1986 or 1-800-STAT-USA, for further information. The Internet address is: www.stat-usa.gov/.

NOTE. Data are now published on the new North American Industry Classification System (NAICS) basis and therefore are not always comparable to the old Standard Industrial Classification (SIC) code. For further information on NAICS, see www.census.gov/epcd/www/naics.html.

SUMMARY OF FINDINGS

Production and shipments of flat glass in the United States both amounted to 6.6 billion square feet in 1999. The reported value of shipments was \$2.2 billion. Automotive glass accounted for 28 percent of both total production and total shipments (in square footage) of flat glass for the year.

In 1999, outside customer sales of 5.1 billion square feet accounted for 77.9 percent of the total quantity of shipments and 70.2 percent of the total value of shipments. Exports reported by flat glass manufacturers amounted to 434 million square feet, 7 percent of their total shipments.

Current Industrial Reports

Address inquiries concerning these data to Primary Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Paul Marck, 301-457-4825.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-457-4673.

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Table 1. Summary of Flat Glass Shipments and Sales: 1999 and 1998

Product description	Shipments (includes quantity produced and consumed within each company)		Value of shipments		Quantity produced and consumed within each company (1,000 sq ft)	Inventory (end of year) (1,000 sq ft)	Producer Price Index (1982=100.0)
	Total (short tons)	Total (1,000 sq ft)	Current dollars (\$1,000)	Constant dollars 1/ (\$1,000)			
1999							
Flat glass.....	5,390,591	6,586,398	2,213,479	2,400,736	1,820,298	797,699	92.2
Exports 2/.....	379,106	434,571	156,700	169,957	(X)	(X)	92.2
Outside customer sales 3/.....	4,178,989	5,129,398	1,480,370	1,605,607	(X)	(X)	92.2
1998							
Flat glass.....	5,081,453	6,305,677	r/ 2,159,148	r/ 2,242,105	r/ 1,367,670	780,493	96.3
Exports 2/.....	r/ 350,821	r/ 383,682	r/ 153,592	r/ 159,493	(X)	(X)	96.3
Outside customer sales 3/.....	3,975,143	4,938,007	1,446,076	1,501,637	(X)	(X)	96.3

r/Revised by 5 percent or more from previously published data. X Not applicable.

1/Adjustments for price changes were made to the data using the producer price index for flat glass as published by the Bureau of Labor Statistics (BLS).

2/Exports reported by flat glass manufacturers only.

3/Shipments and sales to nonraw glass producing companies.

Table 2a. Summary of Production, Shipments, and Inventories of Flat Glass: 1999

Product code	Product description	No. of cos.	Production		Shipments (includes quantity produced and consumed within each company)		Quantity produced and consumed within each company (1,000 sq ft)	Inventory (end of year) (1,000 sq ft)
			Total (short tons)	Total (1,000 sq ft)	Total (short tons)	Total (1,000 sq ft)		
3272111	Flat glass.....	6	5,419,971	6,613,643	5,390,591	6,586,398	1,820,298	797,699
	Automotive.....	(X)	1,364,319	1,844,972	1,344,991	1,820,635	993,020	269,480
	Standard greens/blue greens.....	(X)	683,122	1,000,193	665,671	972,914	(D)	130,113
3272111001	Less than 2.9 mm thick.....	5	444,093	755,758	424,739	729,305	(D)	87,703
3272111006	2.9 mm or thicker.....	5	239,029	244,435	240,932	243,609	(D)	42,410
	High performance greens/blue greens/blues.....	(X)	376,214	523,635	383,140	537,272	(D)	81,711
3272111011	Less than 2.9 mm thick.....	3	(D)	(D)	204,265	355,665	(D)	(D)
3272111016	2.9 mm or thicker.....	3	(D)	(D)	178,875	181,607	(D)	(D)
	Privacy (high performance uncoated dark gray) and other automotive	(X)	304,983	321,144	296,180	310,449	166,038	57,656
3272111021	Privacy (high performance uncoated dark gray)	4	(D)	(D)	(D)	(D)	(D)	(D)
3272111026	Other automotive	4	(D)	(D)	(D)	(D)	(D)	(D)
	Nonautomotive.....	(X)	4,055,652	4,768,671	4,045,600	4,765,763	827,278	528,219
	Pyrolytically coated.....	(X)	209,680	203,769	207,264	206,479	(D)	39,396
3272111031	Greens/blue greens/blues.....	3	(D)	(D)	34,117	24,969	(D)	9,246
3272111036	All other nonautomotive pyrolytically coated.....	4	(D)	(D)	173,147	181,510	(D)	30,150
	Nonautomotive other than pyrolytically coated:							
	Clear.....	(X)	3,550,176	4,289,628	3,503,172	4,261,240	808,582	413,006
3272111041	Less than 5.0 mm thick.....	5	2,435,965	3,540,785	2,379,030	3,501,973	751,901	337,945
3272111046	5.0 mm or thicker.....	5	1,114,211	748,843	1,124,142	759,267	56,681	75,061
	Greens/blue greens/blues.....	(X)	101,541	95,965	133,881	120,471	(D)	23,992
3272111051	Less than 5.0 mm thick.....	5	(D)	(D)	36,221	48,651	(D)	(D)
3272111056	5.0 mm or thicker.....	5	(D)	(D)	97,660	71,820	(D)	(D)
	All bronze.....	(X)	66,642	58,878	75,399	64,705	(D)	17,305
3272111061	Less than 5.0 mm thick	4	(D)	(D)	(D)	(D)	(D)	(D)
3272111066	5.0 mm or thicker	4	(D)	(D)	(D)	(D)	(D)	(D)
	All gray and other	(X)	127,613	120,431	125,884	112,868	(D)	34,520
3272111071	All gray, less than 5.0 mm thick	5	(D)	(D)	(D)	(D)	(D)	(D)
3272111076	All gray, 5.0 mm or thicker	5	(D)	(D)	(D)	(D)	(D)	(D)
3272111081	Other, less than 5.0 mm thick	3	(D)	(D)	(D)	(D)	(D)	(D)
3272111086	Other, 5.0 mm or thicker	3	(D)	(D)	(D)	(D)	(D)	(D)
3272111097	Heat-treated flat glass for nonautomotive uses, treated in primary glass manufacturing plants 1/	3	321,131	365,398	315,183	358,598	(D)	(D)

D Withheld to avoid disclosing data for individual companies. X Not applicable.

1/Glass reported in this category represents the portion of nonautomotive flat glass that has been heat treated.

Note: Data are limited to inventories at manufacturing establishments.

Table 2b. Summary of Production, Shipments, and Inventories of Flat Glass: 1998

Product code	Product description	No. of cos.	Production		Shipments (includes quantity produced and consumed within each company)		Quantity produced and consumed within each company (1,000 sq ft)	Inventory (end of year) (1,000 sq ft)
			Total (short tons)	Total (1,000 sq ft)	Total (short tons)	Total (1,000 sq ft)		
3272111	Flat glass.....	6	5,196,729	6,293,045	5,081,453	6,035,677	r/ 1,367,670	780,493
	Automotive.....	(X)	1,284,487	1,750,258	1,270,609	1,752,624	959769	245,144
	Standard greens/blue greens.....	(X)	673,519	1,006,850	665,970	1,009,970	(D)	102,835
3272111001	Less than 2.9 mm thick.....	5	404,374	736,669	411,533	752,520	(D)	61,251
3272111006	2.9 mm or thicker.....	5	269,145	270,181	254,437	257,450	(D)	41,584
	High performance greens/blue greens/blues.....	(X)	359,342	486,879	335,836	460,932	(D)	95,348
3272111011	Less than 2.9 mm thick.....	3	174,289	301,451	164,112	287,056	(D)	43,626
3272111016	2.9 mm or thicker.....	3	185,050	185,428	171,724	173,876	(D)	51,722
	Privacy (high performance uncoated dark gray) and other automotive	(X)	251,626	256,529	268,803	281,722	145,570	46,961
3272111021	Privacy (high performance uncoated dark gray)	4	(D)	(D)	(D)	(D)	(D)	(D)
3272111026	Other automotive	2	(D)	(D)	(D)	(D)	(D)	(D)
	Nonautomotive.....	(X)	3,912,242	4,542,787	3,810,844	4,553,053	r/ 407,901	535349
	Pyrolytically coated.....	(X)	192,821	188,591	192,706	190,717	(D)	42,106
3272111031	Greens/blue greens/blues.....	3	(D)	(D)	29,824	21,697	(D)	(D)
3272111036	All other nonautomotive pyrolytically coated.....	4	(D)	(D)	162,882	169,020	(D)	(D)
	Nonautomotive other than pyrolytically coated:							
	Clear.....	(X)	3,409,522	4,082,794	3,324,707	4,106,622	r/ 390,086	384,619
3272111041	Less than 5.0 mm thick.....	5	2,329,390	3,339,579	2,253,618	3,362,642	r/ 348,563	299,133
3272111046	5.0 mm or thicker.....	5	1,080,132	743,215	1,071,089	743,980	r/ 41,123	85,486
	Greens/blue greens/blues.....	(X)	117,935	105,256	85,761	71,233	(D)	48,502
3272111051	Less than 5.0 mm thick.....	5	34,128	46,902	16,515	21,537	(D)	29,349
3272111056	5.0 mm or thicker.....	5	r/ 83,807	58,354	69,246	49,696	(D)	19,153
	All bronze.....	(X)	89,930	74,706	83,716	73,071	(D)	29,243
3272111061	Less than 5.0 mm thick	4	25,703	28,566	23,714	29,197	(D)	9,033
3272111066	5.0 mm or thicker	4	64,227	46,140	60,002	43,874	(D)	20,210
	All gray and other	(X)	102,034	91,440	123,954	111,410	(D)	30,879
3272111071	All gray, less than 5.0 mm thick	4	(D)	(D)	(D)	(D)	(D)	(D)
3272111076	All gray, 5.0 mm or thicker	4	(D)	(D)	(D)	(D)	(D)	(D)
3272111081	Other, less than 5.0 mm thick	3	(D)	(D)	(D)	(D)	(D)	(D)
3272111086	Other, 5.0 mm or thicker	3	(D)	(D)	(D)	(D)	(D)	(D)
3272111097	Heat-treated flat glass for nonautomotive uses, treated in primary glass manufacturing plants 1/	3	291,041	340,825	292,881	341,523	(D)	(D)

D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data. X Not applicable.

1/Glass reported in this category represents the portion of nonautomotive flat glass that has been heat treated.

Note: Data are limited to inventories at manufacturing establishments.

Table 3. Value of Shipments, Exports, and Imports of Flat Glass: 1999 and 1998
 [Thousands of dollars]

Product description	Manufacturers' shipments (f.o.b. plant) 1/	Exports of domestic merchandise 2/ 3/ (value at port)	Percent of exports to manufacturers' shipments	Imports for consumption 4/ (value at port)	Apparent consumption 5/	Percent imports to apparent consumption
1999						
Total flat glass.....	2,213,479	429,704	19.4	201,554	2,441,629	8.3
1998						
Total flat glass.....	r/ 2,159,148	429,251	r/ 19.8	199,510	r/ 1,929,408	r/ 10.3

r/Revised by 5 percent or more from previously published data.

1/The value of "Manufacturers' shipments" is in current dollars.

2/For a comparison of North American Industry Classification System (NAICS)-based product codes with Schedule B export numbers and HTSUSA import numbers, see Table 4.

3/Source: Census Bureau report EM 545, U.S. Exports.

4/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

5/Apparent consumption is derived by subtracting exports from the total of manufacturers' shipments plus imports, including duty.

Table 4. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers and HTSUSA Import Numbers: 1999

Product code	Product description	Export number 1/	Import number 2/	
3272111	Glass--sheet, plate, float	7003.12.0000	7003.12.0000	
		7003.19.0000	7003.19.0000	
		7004.20.0000	7004.20.1000	
			7004.20.2010	
			7004.20.2020	
			7004.20.5000	
			7004.90.0000	7004.90.0500
			7004.90.1000	
			7004.90.1500	
			7004.90.2000	
			7004.90.2510	
			7004.90.2520	
			7004.90.2550	
			7004.90.3010	
			7004.90.3020	
			7004.90.3050	
			7004.90.4000	
			7004.90.5000	
			7005.10.0000	7005.10.4000
				7005.10.8000
	7005.21.0000	7005.21.1010		
		7005.21.1030		
		7005.21.2000		
	7005.29.0000	7005.29.0410		
		7005.29.0450		
		7005.29.0810		
		7005.29.0850		
		7005.29.1410		
		7005.29.1450		
		7005.29.1810		
		7005.29.1850		
		7005.29.2500		

1/Source: 1999 edition, Harmonized System-based Schedule B Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated (1999).