

Laminated Plastics Plate, Sheet (Except Packaging), and Shape Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com-panies ²	All estab-lish-ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
326130, Laminated plastics plate, sheet, (except packaging), and shape manufacturing	2002..	280	294	12 074	450 483	9 280	18 078	316 668	1 201 759	1 110 900	2 313 639	75 750
	2001..	N	N	14 866	517 969	11 327	23 755	358 439	1 363 738	1 184 257	2 551 538	74 341
	2000..	N	N	15 378	542 364	11 533	24 648	370 608	1 511 364	1 273 331	2 795 499	92 663
	1999..	N	N	14 832	534 730	11 124	24 784	352 089	1 503 314	1 277 466	2 775 745	102 441
	1998..	N	N	15 689	542 124	12 217	27 058	361 290	1 468 022	1 363 795	2 847 331	124 912
	1997..	438	457	16 517	545 933	12 898	27 290	366 539	1 624 612	1 569 088	3 195 293	139 476

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
326130, Laminated plastics plate, sheet, (except packaging), and shape manufacturing												
United States	1	294	93	12 074	450 483	9 280	18 078	316 668	1 201 759	1 110 900	2 313 639	75 750
North Carolina	—	12	8	1 234	45 809	1 065	2 335	38 087	202 290	113 971	310 442	7 928
Ohio	1	25	6	1 113	40 001	750	1 509	29 610	132 320	69 249	209 252	5 285
Texas	—	14	7	2 227	81 176	2 110	3 771	73 161	218 604	150 647	364 909	10 085

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
326130, Laminated plastics plate, sheet, (except packaging), and shape manufacturing	
Companies ¹	number.. 280
All establishments ²	number.. 294
Establishments with 1 to 19 employees	number.. 201
Establishments with 20 to 99 employees	number.. 69
Establishments with 100 employees or more	number.. 24
All employees ³	number.. 12 074
Total compensation	\$1,000.. 555 277
Annual payroll	\$1,000.. 450 483
Total fringe benefits	\$1,000.. 104 794
Production workers, average for year	number.. 9 280
Production workers on March 12	number.. 9 496
Production workers on May 12	number.. 9 548
Production workers on August 12	number.. 9 140
Production workers on November 12	number.. 8 911
Production worker hours	1,000.. 18 078
Production worker wages	\$1,000.. 316 668
Total cost of materials	\$1,000.. 1 110 900
Materials, parts, containers, packaging, etc., used	\$1,000.. 999 927
Resales	\$1,000.. 45 914
Purchased fuels	\$1,000.. 25 544
Purchased electricity	\$1,000.. 31 688
Contract work	\$1,000.. 7 827
Quantity of electricity purchased for heat and power	1,000 kWh.. 523 606
Quantity of electricity generated less sold for heat and power	1,000 kWh.. S
Total value of shipments	\$1,000.. 2 313 639
Primary products value of shipments	\$1,000.. 2 011 694
Secondary products value of shipments	\$1,000.. 184 895
Total miscellaneous receipts	\$1,000.. 117 050
Value of resales	\$1,000.. 61 086
Contract receipts	\$1,000.. 2 591
Other miscellaneous receipts	\$1,000.. 53 373
Primary products specialization ratio	percent.. 92
Value of primary products shipments made in all industries	\$1,000.. 2 307 911
Value of primary products shipments made in this industry	\$1,000.. 2 011 694
Value of primary products shipments made in other industries	\$1,000.. 296 217
Coverage ratio	percent.. 87
Value added	\$1,000.. 1 201 759
Total inventories, beginning of year	\$1,000.. 297 616
Finished goods inventories	\$1,000.. 114 101
Work-in-process inventories	\$1,000.. 49 046
Materials and supplies inventories	\$1,000.. 134 469
Total inventories, end of year	\$1,000.. 291 495
Finished goods inventories	\$1,000.. 110 561
Work-in-process inventories	\$1,000.. 51 606
Materials and supplies inventories	\$1,000.. 129 328
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 1 171 812
Total capital expenditures (new and used)	\$1,000.. 75 750
Buildings and other structures (new and used)	\$1,000.. 9 951
Machinery and equipment (new and used)	\$1,000.. 65 799
Automobiles, trucks, etc., for highway use	\$1,000.. 3 735
Computers and peripheral data processing equipment	\$1,000.. 6 968
All other expenditures for machinery and equipment	\$1,000.. 55 096
Total retirements	\$1,000.. 40 661
Gross value of depreciable assets at end of year	\$1,000.. 1 206 901
Depreciation charges during year	\$1,000.. 78 763
Total rental payments	\$1,000.. 27 806
Buildings and other structures	\$1,000.. 14 725
Machinery and equipment	\$1,000.. 13 081
Total other expenses ⁴	\$1,000.. 128 642
Response coverage ratio ⁵	percent.. 71
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 20 725
Communications services ⁴	\$1,000.. 3 266
Legal services ⁴	\$1,000.. 1 047
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 1 371
Advertising and promotional services ⁴	\$1,000.. 1 231
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 934
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 3 502
Management consulting and administrative services ⁴	\$1,000.. 2 512
Taxes and license fees ⁴	\$1,000.. 5 438
All other expenses ⁴	\$1,000.. 88 617

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
326130, Laminated plastics plate, sheet, (except packaging), and shape manufacturing											
All establishments	1	294	12 074	450 483	9 280	18 078	316 668	1 201 759	1 110 900	2 313 639	75 750
Establishments with—											
1 to 4 employees	9	132	286	9 700	221	422	6 878	24 595	29 645	54 239	1 824
5 to 9 employees	5	40	e	D	D	D	D	D	D	D	D
10 to 19 employees	4	29	391	13 004	290	592	9 005	32 875	37 883	71 090	2 959
20 to 49 employees	3	43	1 338	50 629	972	2 038	31 033	147 089	183 108	326 370	15 638
50 to 99 employees	2	26	1 828	64 033	1 303	2 495	37 869	176 439	158 513	331 571	17 059
100 to 249 employees	—	13	1 993	83 586	1 375	3 086	49 830	210 861	237 484	447 837	12 087
250 to 499 employees	2	6	2 015	75 604	1 458	2 415	49 625	141 845	162 873	304 063	10 161
500 to 999 employees	—	4	2 847	117 700	2 439	5 371	105 343	338 505	197 769	553 915	14 724
1,000 to 2,499 employees	—	1	g	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	139	369	12 618	284	547	8 989	32 331	38 814	71 144	2 410

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
326130	Laminated plastics plate, sheet, (except packaging), and shape manufacturing	294	12 074	450 483	9 280	18 078	316 668	1 201 759	1 110 900	2 313 639	75 750
3261300	Thermosetting plastics laminates (excluding flexible packaging)	294	12 074	450 483	9 280	18 078	316 668	1 201 759	1 110 900	2 313 639	75 750

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		
				Quantity	Value (\$1,000)	
326130	Laminated plastics plate, sheet (except packaging), and shape manufacturing	2002..	N	X	X	2 307 911
		1997..	N	X	X	3 049 414
3261300	Thermosetting plastics laminates (excluding flexible packaging)	2002..	N	X	X	2 307 911
		1997..	N	X	X	3 049 414
32613001	Thermosetting plastics laminates (excluding flexible packaging)	2002..	N	X	X	351 915
		1997..	N	X	X	741 952
3261300111	Thermosetting plastics laminates (excluding flexible packaging)	2002..	36	X	X	351 915
		1997..	31	X	X	741 952
32613002	Thermoplastic plastics laminates (excluding flexible packaging)	2002..	N	X	X	843 276
		1997..	N	X	X	315 057
3261300221	Thermoplastic plastics laminates (excluding flexible packaging)	2002..	39	X	X	843 276
		1997..	38	X	X	315 057
32613003	Other plastics laminates (excluding flexible packaging)	2002..	N	X	X	976 727
		1997..	N	X	X	1 664 912
3261300391	Other plastics laminates (excluding flexible packaging)	2002..	76	X	X	976 727
		1997..	71	X	X	1 664 912
3261300Y	Thermosetting plastics laminates (excluding flexible packaging), nsk, total	2002..	N	X	X	135 993
		1997..	N	X	X	327 493
3261300YWW	Thermosetting plastics laminates (excluding flexible packaging), nsk, for nonadministrative-record establishments	2002..	N	X	X	68 957
		1997..	N	X	X	126 091
3261300YWY	Thermosetting plastics laminates (excluding flexible packaging), nsk, for administrative-record establishments	2002..	N	X	X	67 036
		1997..	N	X	X	201 402

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
326130	Laminated plastics plate, sheet, (except packaging), and shape manufacturing		
0090001	Total materials	X	999 927
	.....2002..	X	1 453 608
	.....1997..	X	
325000A3	Industrial inorganic chemicals	X	72 880
	.....2002..	X	10 514
	.....1997..	X	
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	100 115
	.....2002..	X	288 300
	.....1997..	X	
325100A1	Industrial organic and synthetic organic chemicals, including plasticizers (excluding synthetic dyes, pigments, and toners)	X	27 241
	.....2002..	X	18 108
	.....1997..	X	
32500043	All other chemicals and allied products (excluding industrial inorganic chemicals, inorganic pigments, plastics resins, industrial and synthetic organic chemicals, etc.)	X	76 764
	.....2002..	X	23 492
	.....1997..	X	
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	217 799
	.....2002..	X	193 099
	.....1997..	X	
32599100	Custom compounded plastics resins (purchased)	X	5 667
	.....2002..	X	15 946
	.....1997..	X	
32721209	Textile-type glass fiber	X	36 705
	.....2002..	X	107 360
	.....1997..	X	
32210015	Paper and paperboard products (excluding paperboard boxes, containers, and corrugated paperboard)	X	202 699
	.....2002..	X	334 522
	.....1997..	X	
32221001	Paperboard containers, boxes, and corrugated paperboard	X	37 307
	.....2002..	X	D
	.....1997..	X	
33322000	Parts and attachments specially designed for plastics working machinery	X	1 311
	.....2002..	X	D
	.....1997..	X	
00970099	All other materials and components, parts, containers, and supplies	X	89 943
	.....2002..	X	248 398
	.....1997..	X	
00971000	Materials, ingredients, containers, and supplies, nsk	X	131 496
	.....2002..	X	172 669
	.....1997..	X	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.