

Unlaminated Plastics Film and Sheet (Except Packaging) Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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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)				
326113, Unlaminated plastics film and sheet (except packaging) manufacturing . . . 2002 . .	742	880	55 162	2 126 643	41 565	80 943	1 361 474	6 917 113	7 368 662	14 274 265	713 016
2001 . .	N	N	52 555	2 010 360	39 457	81 868	1 283 680	6 346 339	7 204 493	13 582 931	642 001
2000 . .	N	N	55 304	2 075 347	41 357	87 641	1 326 158	6 659 001	7 643 219	14 318 069	640 379
1999 . .	N	N	53 494	1 993 927	39 584	84 776	1 256 892	6 526 113	7 306 718	13 861 337	724 467
1998 . .	N	N	53 364	1 920 060	39 375	82 315	1 204 897	6 404 302	6 961 710	13 349 972	693 808
1997 . .	713	824	54 193	1 927 649	39 593	83 119	1 191 437	6 583 040	7 138 265	13 685 696	743 052

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)				
326113, Unlaminated plastics film and sheet (except packaging) manufacturing												
United States	1	880	453	55 162	2 126 643	41 565	80 943	1 361 474	6 917 113	7 368 662	14 274 265	713 016
California	1	74	32	2 432	99 480	1 707	3 415	57 072	258 928	339 328	596 185	17 891
Georgia	—	29	22	2 477	88 816	1 934	4 040	60 518	349 166	384 829	728 156	19 209
Illinois	3	53	26	2 046	75 492	1 529	3 168	49 375	201 870	280 421	483 980	11 900
Indiana	4	24	20	2 738	95 360	2 213	4 360	70 419	313 492	303 059	614 102	20 037
Kentucky	3	13	9	1 513	58 516	1 137	2 200	36 093	268 895	234 135	499 271	16 942
Massachusetts	—	30	16	1 791	95 241	1 232	2 513	59 886	256 636	302 614	560 521	22 219
Michigan	2	36	14	1 418	61 723	994	1 982	36 684	220 250	192 973	415 851	8 172
Minnesota	—	28	14	1 542	58 832	1 172	2 458	39 376	187 653	187 726	376 709	9 474
Missouri	1	22	8	1 685	53 840	1 382	2 082	35 026	319 771	180 404	504 744	11 204
New Jersey	1	46	27	2 395	97 520	1 713	3 416	64 213	237 916	292 143	532 856	13 104
New York	2	41	19	1 102	39 003	817	1 784	24 549	113 897	135 838	238 603	6 273
North Carolina	—	33	16	2 109	89 806	1 525	3 470	54 988	210 463	311 558	519 876	15 406
Ohio	—	59	35	3 334	137 174	2 452	5 140	87 831	339 858	470 616	808 594	106 571
Pennsylvania	1	58	28	2 773	112 720	2 081	4 384	74 103	362 241	394 898	756 399	46 113
Texas	—	47	27	5 548	175 320	4 499	7 097	114 569	698 206	750 833	1 459 984	52 528
Virginia	—	15	10	3 560	131 189	2 818	5 200	89 104	614 952	522 947	1 140 220	60 985
Wisconsin	2	27	12	1 332	54 132	1 009	2 068	36 227	171 104	231 276	403 310	10 880

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
326113, Unlaminated plastics film and sheet (except packaging) manufacturing	
Companies ¹	number.. 742
All establishments ²	number.. 880
Establishments with 1 to 19 employees	number.. 427
Establishments with 20 to 99 employees	number.. 305
Establishments with 100 employees or more	number.. 148
All employees ³	number.. 55 162
Total compensation	\$1,000.. 2 693 572
Annual payroll	\$1,000.. 2 126 643
Total fringe benefits	\$1,000.. 566 929
Production workers, average for year	number.. 41 565
Production workers on March 12	number.. 41 918
Production workers on May 12	number.. 41 752
Production workers on August 12	number.. 41 246
Production workers on November 12	number.. 41 276
Production worker hours	1,000.. 80 943
Production worker wages	\$1,000.. 1 361 474
Total cost of materials	\$1,000.. 7 368 662
Materials, parts, containers, packaging, etc., used	\$1,000.. 6 632 804
Resales	\$1,000.. 242 314
Purchased fuels	\$1,000.. 97 625
Purchased electricity	\$1,000.. 294 614
Contract work	\$1,000.. 101 305
Quantity of electricity purchased for heat and power	1,000 kWh.. 5 675 349
Quantity of electricity generated less sold for heat and power	1,000 kWh.. D
Total value of shipments	\$1,000.. 14 274 265
Primary products value of shipments	\$1,000.. 12 177 468
Secondary products value of shipments	\$1,000.. 1 632 127
Total miscellaneous receipts	\$1,000.. 464 670
Value of resales	\$1,000.. 346 355
Contract receipts	\$1,000.. 49 814
Other miscellaneous receipts	\$1,000.. 68 501
Primary products specialization ratio	percent.. 88
Value of primary products shipments made in all industries	\$1,000.. 14 558 364
Value of primary products shipments made in this industry	\$1,000.. 12 177 468
Value of primary products shipments made in other industries	\$1,000.. 2 380 896
Coverage ratio	percent.. 84
Value added	\$1,000.. 6 917 113
Total inventories, beginning of year	\$1,000.. 1 427 262
Finished goods inventories	\$1,000.. 640 934
Work-in-process inventories	\$1,000.. 210 102
Materials and supplies inventories	\$1,000.. 576 226
Total inventories, end of year	\$1,000.. 1 476 509
Finished goods inventories	\$1,000.. 664 586
Work-in-process inventories	\$1,000.. 197 984
Materials and supplies inventories	\$1,000.. 613 939
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 9 307 565
Total capital expenditures (new and used)	\$1,000.. 713 016
Buildings and other structures (new and used)	\$1,000.. 88 058
Machinery and equipment (new and used)	\$1,000.. 624 958
Automobiles, trucks, etc., for highway use	\$1,000.. 9 010
Computers and peripheral data processing equipment	\$1,000.. 51 916
All other expenditures for machinery and equipment	\$1,000.. 564 032
Total retirements	\$1,000.. 224 133
Gross value of depreciable assets at end of year	\$1,000.. 9 796 448
Depreciation charges during year	\$1,000.. 632 801
Total rental payments	\$1,000.. 121 420
Buildings and other structures	\$1,000.. 71 562
Machinery and equipment	\$1,000.. 49 858
Total other expenses ⁴	\$1,000.. 898 059
Response coverage ratio ⁵	percent.. 84
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 179 222
Communications services ⁴	\$1,000.. 17 506
Legal services ⁴	\$1,000.. 12 985
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 8 031
Advertising and promotional services ⁴	\$1,000.. 15 326
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 10 424
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 20 434
Management consulting and administrative services ⁴	\$1,000.. 15 687
Taxes and license fees ⁴	\$1,000.. 53 743
All other expenses ⁴	\$1,000.. 564 701

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)				
326113, Unlaminated plastics film and sheet (except packaging) manufacturing											
All establishments	1	880	55 162	2 126 643	41 565	80 943	1 361 474	6 917 113	7 368 662	14 274 265	713 016
Establishments with—											
1 to 4 employees	8	260	560	19 040	408	790	12 686	61 613	76 395	137 381	3 717
5 to 9 employees	8	82	566	22 299	423	886	14 509	58 901	87 528	146 680	8 741
10 to 19 employees	5	85	1 196	45 127	848	1 717	27 018	125 785	159 613	289 946	8 902
20 to 49 employees	2	176	5 629	204 343	3 992	7 883	117 587	602 891	732 476	1 333 816	53 871
50 to 99 employees	1	129	9 294	353 305	6 934	14 696	223 803	1 134 135	1 436 113	2 565 812	85 525
100 to 249 employees	—	106	16 769	674 604	12 502	25 597	438 308	2 082 794	2 428 570	4 486 869	150 207
250 to 499 employees	—	29	9 808	382 980	7 573	15 039	260 144	1 207 864	1 128 882	2 341 775	198 580
500 to 999 employees	2	9	6 015	267 400	4 390	8 291	161 358	1 024 882	815 482	1 849 158	D
1,000 to 2,499 employees	—	4	5 325	157 545	4 495	6 044	106 061	618 248	503 603	1 122 828	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	8	341	2 020	75 449	1 527	3 148	51 383	210 627	288 034	489 085	16 477

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)				
326113	Unlaminated plastics film and sheet (except packaging) manufacturing ...	880	55 162	2 126 643	41 565	80 943	1 361 474	6 917 113	7 368 662	14 274 265	713 016
3261130	Unlaminated plastics film and sheet, excluding packaging	880	55 162	2 126 643	41 565	80 943	1 361 474	6 917 113	7 368 662	14 274 265	713 016

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)	
326113	Unlaminated plastics film and sheet (except packaging) manufacturing	2002..	N	X	X	14 558 364
		1997..	N	X	X	13 948 320
3261130	Unlaminated plastics film and sheet, excluding packaging	2002..	N	X	X	14 558 364
		1997..	N	X	X	13 948 320
32611301	Unlaminated polyethylene film and sheet	2002..	N	X	X	4 314 594
		1997..	N	X	X	3 749 571
3261130121	Unlaminated polyethylene film and sheet	2002..	172	X	X	4 314 594
		1997..	218	X	X	3 749 571
32611302	Unlaminated polypropylene film and sheet	2002..	N	X	X	1 039 004
		1997..	N	X	X	1 422 659
3261130231	Unlaminated polypropylene film and sheet	2002..	72	X	X	1 039 004
		1997..	80	X	X	1 422 659
32611303	Unlaminated vinyl and vinyl copolymer film and sheet	2002..	N	X	X	2 373 285
		1997..	N	X	X	1 974 042
3261130341	Unlaminated vinyl and vinyl copolymer film and sheet	2002..	86	X	X	2 373 285
		1997..	97	X	X	1 974 042
32611304	Other unlaminated plastics film and sheet	2002..	N	X	X	5 835 805
		1997..	N	X	X	5 316 528
3261130449	Unlaminated cellulosic film and sheet	2002..	11	X	X	264 070
		1997..	20	X	X	293 907
3261130451	Unlaminated acrylic film and sheet	2002..	25	X	X	757 197
		1997..	32	X	X	389 325
3261130453	Other unlaminated plastics film and sheet	2002..	200	X	X	4 814 538
		1997..	166	X	X	4 633 296
3261130Y	Unlaminated plastics film and sheet, excluding packaging, nsk, total	2002..	N	X	X	995 676
		1997..	N	X	X	1 485 520
3261130YWW	Unlaminated plastics film and sheet, excluding packaging, nsk, for nonadministrative-record establishments	2002..	N	X	X	513 574
		1997..	N	X	X	1 004 141
3261130YWY	Unlaminated plastics film and sheet, excluding packaging, nsk, for administrative-record establishments	2002..	N	X	X	482 102
		1997..	N	X	X	481 379

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)
326113	Unlaminated plastics film and sheet (except packaging) manufacturing		
00900001	Total materials	X	6 632 804
	.....2002..	X	6 379 473
	.....1997..	X	
325000A3	Industrial inorganic chemicals	X	242 246
	.....2002..	X	133 428
	.....1997..	X	
32513106	Inorganic pigments	X	61 122
	.....2002..	X	N
	.....1997..	X	
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	3 514 125
	.....2002..	X	3 435 989
	.....1997..	X	
325100A1	Industrial organic and synthetic organic chemicals, including plasticizers (excluding synthetic dyes, pigments, and toners)	X	308 997
	.....2002..	X	503 381
	.....1997..	X	
32513200	Synthetic dyes, pigments, lakes, and toners	X	38 293
	.....2002..	X	77 930
	.....1997..	X	
32500043	All other chemicals and allied products (excluding industrial inorganic chemicals, inorganic pigments, plastics resins, industrial and synthetic organic chemicals, etc.)	X	349 757
	.....2002..	X	126 063
	.....1997..	X	
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	328 515
	.....2002..	X	401 720
	.....1997..	X	
32599100	Custom compounded plastics resins (purchased)	X	148 425
	.....2002..	X	261 105
	.....1997..	X	
32721209	Textile-type glass fiber	X	D
	.....2002..	X	408
	.....1997..	X	
32210015	Paper and paperboard products (excluding paperboard boxes, containers, and corrugated paperboard)	X	108 016
	.....2002..	X	116 608
	.....1997..	X	
32221001	Paperboard containers, boxes, and corrugated paperboard	X	169 491
	.....2002..	X	148 856
	.....1997..	X	
33322000	Parts and attachments specially designed for plastics working machinery	X	D
	.....2002..	X	11 072
	.....1997..	X	
00970099	All other materials and components, parts, containers, and supplies	X	710 224
	.....2002..	X	382 887
	.....1997..	X	
00971000	Materials, ingredients, containers, and supplies, nsk	X	615 331
	.....2002..	X	780 026
	.....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.