

Plastics Packaging Film and Sheet (Including Laminated) 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



CONTENTS

Introduction to the Economic Census	v
Manufacturing	ix
Tables	
1. Historical Statistics for the Industry: 2002 and Earlier Years ...	1
2. Industry Statistics for Selected States: 2002	2
3. Detailed Statistics by Industry: 2002	3
4. Industry Statistics by Employment Size: 2002.....	4
5. Industry Statistics by Primary Product Class Specialization: 2002	5
6a. Products Statistics: 2002 and 1997	6
6b. Product Class Shipments for Selected States: 2002 and 1997 .	7
7. Materials Consumed by Kind: 2002 and 1997.....	8
Appendixes	
A. Explanation of Terms	A-1
B. NAICS Codes, Titles, and Descriptions	B-1
C. Methodology.....	C-1
D. Geographic Notes	--
E. Metropolitan and Micropolitan Statistical Areas	--
F. Comparability of Product Classes and Product Codes: 2002 to 1997.....	F-1

-- 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)				
326112, Plastics packaging film and sheet (including laminated) manufacturing.	207	275	23 418	982 670	18 374	38 361	691 899	3 036 601	3 155 298	6 203 922	252 235
2002..	N	N	16 875	671 299	13 570	29 489	475 893	2 292 121	2 475 627	4 782 978	179 240
2001..	N	N	17 327	656 742	14 109	30 431	465 174	2 292 038	2 536 109	4 823 210	143 954
2000..	N	N	16 447	605 225	13 350	28 204	430 730	2 458 838	2 390 127	4 813 330	190 579
1999..	N	N	15 288	567 022	12 111	26 123	400 837	1 931 512	2 066 508	3 998 678	177 636
1998..	N	N	15 428	550 628	11 960	26 406	390 046	1 606 103	2 024 844	3 638 911	214 642
1997..	131	164									

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)				
326112, Plastics packaging film and sheet (including laminated) manufacturing												
United States	2	275	202	23 418	982 670	18 374	38 361	691 899	3 036 601	3 155 298	6 203 922	252 235
Arizona	-	5	3	250	10 243	201	455	7 805	23 265	31 549	54 536	956
California	1	32	19	1 375	54 596	1 042	2 116	34 302	135 597	191 089	335 764	11 112
Florida	-	7	4	298	11 073	254	547	7 984	30 273	34 343	65 305	968
Georgia	1	12	11	1 361	59 307	1 045	2 131	41 544	134 115	226 818	362 823	11 537
Illinois	-	23	20	1 950	81 649	1 471	3 195	56 259	221 937	265 838	488 539	15 922
Indiana	7	9	5	1 232	42 751	1 012	1 983	33 030	134 861	140 171	272 660	12 243
Louisiana	-	5	3	420	12 210	360	706	9 747	37 086	35 515	72 486	6 351
Massachusetts	-	6	3	184	6 012	121	245	4 055	21 338	23 145	44 716	2 158
Michigan	-	7	6	505	23 531	362	773	13 927	48 375	49 733	97 596	2 756
Minnesota	4	6	4	292	14 650	194	395	8 685	28 641	33 195	61 707	10 274
New Jersey	1	14	9	383	15 698	286	562	9 904	31 584	38 486	70 486	1 460
New York	-	14	13	804	31 576	551	1 164	17 304	91 046	113 690	206 500	8 672
North Carolina	-	10	7	742	27 335	574	1 236	18 968	71 125	80 631	154 215	9 269
Ohio	2	14	11	833	31 799	653	1 387	22 414	103 838	112 665	216 632	10 616
Pennsylvania	3	11	10	1 549	64 285	1 273	2 776	47 697	153 801	156 678	312 857	15 921
Tennessee	3	7	5	519	22 138	339	685	10 455	74 573	83 396	163 281	1 616
Texas	1	16	10	1 066	41 530	875	1 820	30 243	97 426	146 696	244 525	10 686
Virginia	3	4	3	284	11 886	219	448	8 265	28 842	36 699	67 765	958
Wisconsin	1	30	25	4 127	178 850	3 328	6 897	138 866	620 972	689 564	1 301 618	55 568

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
326112, Plastics packaging film and sheet (including laminated) manufacturing	
Companies ¹	number.. 207
All establishments ²	number.. 275
Establishments with 1 to 19 employees	number.. 73
Establishments with 20 to 99 employees	number.. 132
Establishments with 100 employees or more	number.. 70
All employees ³	number.. 23 418
Total compensation	\$1,000.. 1 215 413
Annual payroll	\$1,000.. 982 670
Total fringe benefits	\$1,000.. 232 743
Production workers, average for year	number.. 18 374
Production workers on March 12	number.. 18 369
Production workers on May 12	number.. 18 459
Production workers on August 12	number.. 18 508
Production workers on November 12	number.. 18 108
Production worker hours	1,000.. 38 361
Production worker wages	\$1,000.. 691 899
Total cost of materials	\$1,000.. 3 155 298
Materials, parts, containers, packaging, etc., used	\$1,000.. 2 921 349
Resales	\$1,000.. 72 971
Purchased fuels	\$1,000.. 32 897
Purchased electricity	\$1,000.. 100 754
Contract work	\$1,000.. 27 327
Quantity of electricity purchased for heat and power	1,000 kWh.. 1 898 858
Quantity of electricity generated less sold for heat and power	1,000 kWh.. S
Total value of shipments	\$1,000.. 6 203 922
Primary products value of shipments	\$1,000.. 5 270 201
Secondary products value of shipments	\$1,000.. 800 515
Total miscellaneous receipts	\$1,000.. 133 206
Value of resales	\$1,000.. 103 668
Contract receipts	\$1,000.. 15 905
Other miscellaneous receipts	\$1,000.. 13 633
Primary products specialization ratio	percent.. 87
Value of primary products shipments made in all industries	\$1,000.. 5 867 829
Value of primary products shipments made in this industry	\$1,000.. 5 270 201
Value of primary products shipments made in other industries	\$1,000.. 597 628
Coverage ratio	percent.. 90
Value added	\$1,000.. 3 036 601
Total inventories, beginning of year	\$1,000.. 651 937
Finished goods inventories	\$1,000.. 355 576
Work-in-process inventories	\$1,000.. 92 400
Materials and supplies inventories	\$1,000.. 203 961
Total inventories, end of year	\$1,000.. 669 677
Finished goods inventories	\$1,000.. 347 067
Work-in-process inventories	\$1,000.. 88 886
Materials and supplies inventories	\$1,000.. 233 724
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 3 883 208
Total capital expenditures (new and used)	\$1,000.. 252 235
Buildings and other structures (new and used)	\$1,000.. 26 950
Machinery and equipment (new and used)	\$1,000.. 225 285
Automobiles, trucks, etc., for highway use	\$1,000.. 3 574
Computers and peripheral data processing equipment	\$1,000.. 8 009
All other expenditures for machinery and equipment	\$1,000.. 213 702
Total retirements	\$1,000.. 117 279
Gross value of depreciable assets at end of year	\$1,000.. 4 018 164
Depreciation charges during year	\$1,000.. 268 280
Total rental payments	\$1,000.. 43 010
Buildings and other structures	\$1,000.. 31 221
Machinery and equipment	\$1,000.. 11 789
Total other expenses ⁴	\$1,000.. 410 830
Response coverage ratio ⁵	percent.. 88
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 80 037
Communications services ⁴	\$1,000.. 8 018
Legal services ⁴	\$1,000.. 6 454
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 3 083
Advertising and promotional services ⁴	\$1,000.. 3 008
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 7 375
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 11 615
Management consulting and administrative services ⁴	\$1,000.. 8 667
Taxes and license fees ⁴	\$1,000.. 18 480
All other expenses ⁴	\$1,000.. 264 093

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)				
326112, Plastics packaging film and sheet (including laminated) manufacturing											
All establishments	2	275	23 418	982 670	18 374	38 361	691 899	3 036 601	3 155 298	6 203 922	252 235
Establishments with—											
1 to 4 employees	9	29	66	2 458	52	100	1 710	3 662	8 967	14 816	504
5 to 9 employees	6	19	c	D	D	D	D	D	D	D	D
10 to 19 employees	2	25	387	17 774	278	568	10 687	42 146	61 454	105 032	4 776
20 to 49 employees	1	62	2 055	79 471	1 568	3 342	52 746	240 328	274 074	521 064	27 591
50 to 99 employees	1	70	4 914	188 628	3 691	7 872	119 921	513 844	634 020	1 152 503	69 465
100 to 249 employees	—	54	7 937	332 259	6 216	12 787	233 042	937 237	1 066 351	2 009 070	88 588
250 to 499 employees	1	11	3 427	150 165	2 769	5 854	114 507	487 002	558 839	1 039 208	31 295
500 to 999 employees	2	3	g	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	9	2	h	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	37	152	6 081	124	252	4 321	16 073	24 408	40 477	1 368

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)				
326112	Plastics packaging film and sheet (including laminated) manufacturing..	275	23 418	982 670	18 374	38 361	691 899	3 036 601	3 155 298	6 203 922	252 235
3261121	Single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	139	12 102	478 794	9 490	19 996	334 887	1 341 318	1 600 028	2 953 190	152 251
3261123	Film/film multiweb laminated rolls and sheets, except foil, for flexible packaging uses	76	10 699	481 706	8 389	17 338	341 649	1 651 862	1 491 833	3 144 030	95 372

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)	
326112	Plastics packaging film and sheet (including laminated) manufacturing	2002..	N	X	X	5 867 829
		1997..	N	X	X	3 458 576
3261121	Single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	2002..	N	X	X	3 384 535
		1997..	N	X	X	1 844 318
32611211	Single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	2002..	N	X	X	2 771 284
		1997..	N	X	X	970 558
3261121121	Polyethylene single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	1,000 s tons: 2002..	115	X	S	1 572 863
		1997..	N	X	N	N
3261121131	Polypropylene single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	1,000 s tons: 2002..	58	X	S	469 227
		1997..	N	X	N	N
3261121141	Nylon single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	1,000 s tons: 2002..	13	X	S	57 670
		1997..	N	X	N	N
3261121151	PETG single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	1,000 s tons: 2002..	12	X	S	88 149
		1997..	N	X	N	N
3261121161	PVC single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	1,000 s tons: 2002..	26	X	S	147 377
		1997..	N	X	N	N
3261121171	All other single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	1,000 s tons: 2002..	31	X	S	435 998
		1997..	N	X	N	N
32611212	Coextruded single-web film, for flexible packaging uses	2002..	N	X	X	558 065
		1997..	N	X	X	803 591
3261121221	Coextruded single-web film, for flexible packaging uses	1,000 s tons: 2002..	26	X	P144.7	558 065
		1997..	33	X	S	803 591
3261121Y	Single-web film, rolls, and sheets, including coextruded, for flexible packaging uses, nsk	2002..	N	X	X	55 186
		1997..	N	X	X	70 169
3261121YVV	Single-web film, rolls, and sheets, including coextruded, for flexible packaging uses, nsk	2002..	N	X	X	55 186
		1997..	N	X	X	70 169
3261123	Film/film multiweb laminated rolls and sheets, except foil, for flexible packaging uses	2002..	N	X	X	2 368 337
		1997..	N	X	X	1 400 302
32611231	Polypropylene/polypropylene multiweb laminated rolls and sheets, for flexible packaging uses	2002..	N	X	X	1 147 428
		1997..	N	X	X	451 924
3261123111	Polypropylene/polypropylene multiweb laminated rolls and sheets, for flexible packaging uses	1,000 s tons: 2002..	43	X	S	1 147 428
		1997..	27	X	P76.4	451 924
32611232	Metalized film/film multiweb laminated rolls and sheets, for flexible packaging uses	2002..	N	X	X	262 056
		1997..	N	X	X	203 512
3261123221	Metalized film/film multiweb laminated rolls and sheets, for flexible packaging uses	1,000 s tons: 2002..	22	X	S	262 056
		1997..	27	X	S	203 512
32611233	Other film/film multiweb laminated rolls and sheets, for flexible packaging uses	2002..	N	X	X	928 590
		1997..	N	X	X	570 977
3261123331	Cellophane/other film multiweb laminated rolls and sheets, for flexible packaging uses	1,000 s tons: 2002..	11	X	S	52 969
		1997..	12	X	S	18 034
3261123341	Other film/film multiweb laminated rolls and sheets, for flexible packaging uses	1,000 s tons: 2002..	37	X	P149.4	875 621
		1997..	36	X	S	552 943
3261123Y	Film/film multiweb laminated rolls and sheets, except foil, for flexible packaging uses, nsk	2002..	N	X	X	30 263
		1997..	N	X	X	173 889
3261123YVV	Film/film multiweb laminated rolls and sheets, except foil, for flexible packaging uses, nsk	2002..	N	X	X	30 263
		1997..	N	X	X	173 889
326112W	Plastics packaging film and sheet (including laminated) manufacturing, nsk, total	2002..	N	X	X	114 957
		1997..	N	X	X	213 956
326112WY	Plastics packaging film and sheet (including laminated) manufacturing, nsk, total	2002..	N	X	X	114 957
		1997..	N	X	X	213 956
326112WYWW	Plastics packaging film and sheet (including laminated) manufacturing, nsk, for nonadministrative-record establishments	2002..	N	X	X	75 221
		1997..	N	X	X	164 470
326112WYWY	Plastics packaging film and sheet (including laminated) manufacturing, nsk, for administrative-record establishments	2002..	N	X	X	39 736
		1997..	N	X	X	49 486

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

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic 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]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3261121	Single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	
	United States	2002.. 3 384 535
	United States	1997.. 1 844 318
	Arizona	2002.. 21 038
	Arizona	1997.. N
	California	2002.. 232 256
	California	1997.. 60 948
	Florida	2002.. 48 709
	Florida	1997.. N
	Georgia	2002.. 114 079
	Georgia	1997.. 45 013
	Illinois	2002.. 174 650
	Illinois	1997.. 43 705
	Indiana	2002.. 215 057
	Indiana	1997.. 83 666
	Indiana	1997.. N
	Indiana	1997.. N
	Louisiana	2002.. 26 606
	Louisiana	1997.. N
	Massachusetts	2002.. 28 363
	Massachusetts	1997.. 28 328
	Michigan	2002.. 72 298
	Michigan	1997.. 9 785
	Minnesota	2002.. 42 825
	Minnesota	1997.. 49 061
	New Jersey	2002.. 41 254
	New Jersey	1997.. 29 858
	New York	2002.. 127 670
	New York	1997.. 51 109
	North Carolina	2002.. 101 151
	North Carolina	1997.. 92 210
	Ohio	2002.. 103 656
Ohio	1997.. 57 172	
Pennsylvania	2002.. 226 155	
Pennsylvania	1997.. N	
Tennessee	2002.. 95 851	
Tennessee	1997.. 43 020	
Texas	2002.. 191 478	
Texas	1997.. N	
Wisconsin	2002.. 479 290	
Wisconsin	1997.. 535 335	
3261123	Film/film multiweb laminated rolls and sheets, except foil, for flexible packaging uses	
	United States	2002.. 2 368 337
	United States	1997.. 1 400 302
	California	2002.. 69 603
	California	1997.. 90 398
	Georgia	2002.. 253 606
	Georgia	1997.. N
	Illinois	2002.. 241 517
	Illinois	1997.. 210 574
	Minnesota	2002.. 39 753
	Minnesota	1997.. N
	New Jersey	2002.. 67 423
	New Jersey	1997.. N
	New York	2002.. 64 945
	New York	1997.. 28 953
	North Carolina	2002.. 55 094
	North Carolina	1997.. N
	Ohio	2002.. 100 183
	Ohio	1997.. 92 527
	Pennsylvania	2002.. 103 914
Pennsylvania	1997.. N	
Texas	2002.. 82 748	
Texas	1997.. N	
Wisconsin	2002.. 714 995	
Wisconsin	1997.. 323 854	

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 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)
326112	Plastics packaging film and sheet (including laminated) manufacturing		
00900001	Total materials	X	2 921 349
	.....2002..	X	1 926 596
	.....1997..	X	72 340
32212007	Paper	S	81 969
	.....1,000 s tons	S	1 081 494
	.....2002..	X	709 914
	.....1997..	X	
32611201	Polyethylene unsupported plastic packaging film in roll form	X	220 122
	.....2002..	X	N
	.....1997..	X	105 107
00190062	Polyester unsupported plastics packaging film (coated and uncoated) in roll form	X	N
	.....2002..	X	22 817
	.....1997..	X	N
32612205	Nylon unsupported plastics packaging film in roll form	X	
	.....2002..	X	51 186
	.....1997..	X	N
00190063	Other unsupported plastics packaging film in roll form (including cellophane)	X	37 132
33131509	Aluminum foil, plain	P21.0	18 599
	..... mil lb	S	57 926
	.....2002..	S	46 440
	.....1997..	S	
32552003	Glues and adhesives		
	..... mil lb		
	.....2002..		
	.....1997..		
32591002	Printing inks	X	168 182
	.....2002..	X	N
	.....1997..	X	67 982
32221001	Paperboard containers, boxes, and corrugated paperboard	X	34 590
	.....2002..	X	875 338
	.....1997..	X	868 059
00970099	All other materials and components, parts, containers, and supplies	X	161 723
	.....2002..	X	167 025
	.....1997..	X	
00971000	Materials, ingredients, containers, and supplies, nsk		
	.....2002..		
	.....1997..		

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.