

DEFINITIONS AND SPECIAL INSTRUCTIONS

1. Scope of survey

This survey covers all companies manufacturing broadwoven fabrics (gray) in the United States.

2. Figures to be reported

Companies with more than one establishment manufacturing the products covered by this survey may report each plant separately or file a combined report for the company. If you have questions concerning your report, please call or write to the U.S. Census Bureau.

a. Units of measure

Report in the unit of measure specified for each item.

BROADWOVEN FABRICS

Cotton fabrics — Wholly or chiefly by weight of cotton. Report production of denim fabrics in thousands of finished square yards; other cotton fabrics in thousands of gray square yards.

Woolen and worsted fabrics — 36 percent or more by weight of wool, reprocessed wool, or reused wool. Report the quantity of blanketing fabrics woven during the quarter in thousands of square yards; other woolen and worsted fabrics in thousands of finished square yards.

Manmade fiber and silk broadwoven fabrics — Wholly or chiefly by weight of silk or manmade fiber. Report production in thousands of square yards.

Tire cord and tire cord fabrics — Report production in thousands of pounds, undipped weight.

LOOMS

Report the number of looms assigned to each fabric.

LOOM HOURS

Report in thousands of hours.

b. Columnar structure of report

When posting your figures to the report, please be sure to report the information in the appropriate columns. These are:

SECTION I — BROAD FABRICS WEAVING LOOM ACTIVITY

Column 1 — Loom hours operated

Column 2 — Looms in place

SECTION II — 85 PERCENT OR MORE SPUN YARN FABRICS AND BLENDS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBER BY WEIGHT.

Column 1 — Looms operating

Column 2 — Total fabrics production, including yarn dyed, thousands of square yards.

Column 3 — Looms operating on yarn dyed fabrics

Column 4 — Total yarn dyed fabrics production, thousands of square yards.

SECTION III, IV, V, AND VI — OTHER BROADWOVEN FABRICS — WEAVING LOOM ASSIGNMENT AND BROADWOVEN FABRICS PRODUCTION

Column 1 — Looms operating

Column 2 — Production, thousands of square yards

3. Definitions**a. Fabric classification**

This survey is organized by weave, fabric construction, and then by fiber. The initial step in coding any fabric is to first determine whether the fabric is made from 85 percent or more spun yarns or spun/filament yarn combinations (Sections II and III); 85 percent or more filament yarn (Section IV); or wool fibers, including chiefly manmade/wool blends and chiefly cotton/wool blends (Section V). Next determine the weave, i.e., whether it is a plain weave, twill weave, or all other weave fabric and then the construction of the fabric; i.e., whether it is a print cloth, denim, satin, etc. Finally, determine what the principal fiber content of the fabric is. In addition, data must be reported in Columns 3–4 in Section II if your fabric is made from dyed yarns. Report both your total looms operating and total fabric production by fabric type and the number of looms operating and production of yarn dyed fabrics.

b. Blends and mixtures

Fabrics made from more than one fiber are classified in the same way as other fabrics, i.e., according to whether the fabric is chiefly cotton, wool, or manmade fiber by weight. As examples, a fabric which is 55 percent cotton and 45 percent rayon should be classified as chiefly cotton; a fabric which is 40 percent cotton, 30 percent rayon, and 30 percent acetate should be classified as rayon and/or acetate blended fabric. Because of the importance of blends and mixtures, separate data are requested for some specific fiber and yarn combinations under each fabric type.

Blends and mixtures which are by weight 50 percent manmade fiber and 50 percent natural fiber, should, for purposes of continuity, be classified in the manmade category. As an example, a fabric which is 50 percent polyester and 50 percent cotton should be classified as polyester.

c. Spun yarn fabrics

Include all fabrics that contain 85 percent or more spun yarns.

d. Filament yarn fabrics

Include all fabrics that contain 85 percent or more filament yarns.

e. Spun/filament combinations

Include fabrics that are combinations of spun and filament yarn where neither the spun nor filament yarns exceed 85 percent.

f. Plain weave fabrics

A fabric construction in which each yarn of the weft passes alternately over and under successive yarns of the warp and each yarn of the warp passes alternately over and under successive yarns of the weft.

- *Tobacco, cheese, and bandage cloth*— Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabrics) or 5.9 ounces per square yard (chiefly cotton fabrics) consisting of 85 or less warp ends and filling picks per square inch whether or not napped.
- *Print cloth*— Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabrics) or 5.9 ounces per square yard (chiefly cotton fabrics) of average yarn numbers 26-40, consisting of more than 85 singles yarns per square inch, of square construction, whether or not of yarns of different colors (yarn dyed), whether or not napped. Constructions such as 96x56 and 90x54 should not be reported as print cloth. Fabrics which otherwise meet the print cloth definition, but are going into the manufacture of bed sheets should be reported as bedsheeting.
- *Poplin and broadcloth*— Fabrics of plain weave, not of square construction, whether or not napped, but does not include the following types: fabrics weighing not more than 5.9 ounces per square yard, containing 85 or less warp ends and filling picks per square inch, or fabrics weighing more than 5.9 ounces per square yard of average yarn number 15 or lower.

- *Lawns, voiles, and batistes* — Fabrics of plain weave weighing not more than 5 ounces per square yard (chiefly manmade fabrics) or 5.9 ounces per square yard (chiefly cotton fabrics) consisting of more than 85 warp ends and filling picks per square inch, of square construction, of average yarn number 41 or higher, whether or not napped.
- *Duck* — Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of average yarn number 15 or lower, whether or not napped, of a plain weave where the warp or filling, or both, consists of multiple (folded) or cabled yarns.
- *Sheeting*— Fabrics of plain weave, whether or not napped, of the following types:

Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of square construction, containing more than 85 warp end and filling picks per square inch, of average yarn number 40 or lower, but not including print cloth.

Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), but does not include fabrics of which the warp or filling, or both, consist of multiple (folded) or cabled yarns, of average yarn number 15 or lower or fabrics of average yarn number 16 or higher number, not of square construction.

g. Twill weave

Fabrics in which the warp and filling yarns are interlaced in such a manner as to produce a diagonal or bias effect on the face of the fabric.

- *Blue denim*— Fabrics of 3- or 4-thread twill, including broken twill, warp faced, the warp yarns of which are dyed blue and weft yarns of which are unbleached, bleached, dyed grey or colored a lighter shade of blue than that of the warp yarns.
- *All other denim* — Includes sport denims and all other denim not included above.
- *Canton flannel* — Fabric woven with a four-harness warp face twill with heavy, soft filling yarn, and a medium count warp. A long nap is raised on the back.

h. All other weaves

- *Sateens* — Fabrics woven with a satin weave, whether or not napped, in which the surface of the cloth consists almost entirely of warp or filling floats; that is, in the repeat of a weave pattern, each yarn of one system passes over several yarns of the other system before interlacing.
- *Oxfords* — Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabrics) or 5.9 ounces per square yard (chiefly cotton fabrics), whether or not napped, woven as plain weave except that two or more warp ends are woven as one (taped warp). Oxford cloth is not to be classified as a plain weave fabric.
- *Shirting, jacquard or doobby* — Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fiber) or 5.9 ounces per square yard (chiefly cotton fiber) whether or not napped, woven wholly or in part with jacquard or doobby attachments.
- *Table damask* — Fabrics, whether or not napped, woven wholly or in part with jacquard or doobby attachments characterized by elaborate decorative designs, usually of floral patterns. The designs are reversible and are formed by warp-face satin weave. Table damask is generally all white, although it is sometimes made with colored stripes or in solid pastel shades.

i. Yarn dyed fabrics

Report looms operating on yarn dyed fabrics in column 3 and production in column 4. These data should also be included in columns 1 and 2.

j. High tenacity yarn fabric

Fabrics made from yarns having a tenacity, expressed in centinewtons per tex (cN/tex) greater than 60 cN/tex for singles yarns of nylon or polyester; 53 cN/tex for multiple (folded) or cabled yarns of nylon or polyester; or 27 cN/tex for multiple (folded), cabled, or singles yarns of viscose rayon.

k. Flat fabrics

Fabrics containing yarns having less than twelve turns per inch.

4. Products covered in this survey

The products for which data are collected on the production of broadwoven fabrics are shown on the product Reference List — Broadwoven Fabrics (Gray). Please consult this reference list each quarter for any new fabrics which were not

included in your previous two quarterly reports. Post each quarter's figures, including item description and item code number, to the original report.

A summary of the fabrics covered in each section of the survey is shown below.

SECTION II — 85 PERCENT OR MORE SPUN YARN FABRICS AND BLENDS AND SPUN/FILAMENT COMBINATION, CHIEFLY COTTON OR MANMADE FIBER BY WEIGHT, EXCLUDING BLENDS OR WOOL, SILK, AND COTTON WITH OTHER VEGETABLE FIBERS

A. Plain Weave Fabrics

1. Tobacco, cheese, and bandage cloth
2. Print cloth
3. Poplin and broadcloth
4. Lawns, voiles, and batistes
5. Bedsheeting
6. Duck, including tape warp
7. All other sheeting, including osnaburgs

B. Twill Weaves

1. Blue denim
2. All other denim
3. All other twill weaves

C. All Other Weaves

1. Sateens
2. Oxfords
3. Table damask
4. Jacquard and doobby shirting fabrics
5. All other weaves
6. Pile fabrics

SECTION III — SILK AND CHIEFLY COTTON FABRICS BLENDED WITH OTHER THAN MANMADE FIBERS

A. Silk fabrics

- B.** Chiefly cotton fabrics mixed mainly or solely with other than manmade or wool fabrics

DEFINITIONS AND SPECIAL INSTRUCTIONS — Continued

Products covered in this survey — Continued

SECTION IV — 85 PERCENT OR MORE FILAMENT YARN FABRICS

- A. High tenacity yarn fabrics
- B. 85 percent or more filament yarn fabrics obtained from the stripe or like (except rayon and/or acetate)
- C. 85 percent or more filament rayon, acetate, and/or triacetate fabrics
- D. Other chiefly rayon and/or acetate filament fabrics
- E. 85 percent or more filament nylon fabrics
- F. Other chiefly filament nylon fabrics
- G. 85 percent or more filament polyester fabrics
- H. Other chiefly filament polyester fabrics
- I. Glass fiber fabrics
- J. Other 85 percent or more filament yarn fabrics, including saran and olefin

SECTION V — WOOLEN AND WORSTED FABRICS, 36 PERCENT OR MORE BY WEIGHT OF WOOL; AND WOOL BLENDS LESS THAN 36 PERCENT WOOL

- A. Woolen and worsted fabrics, 36 percent or more by weight wool
 - 1. Apparel fabrics
 - 2. Nonapparel fabrics
 - 3. Woven felts
- B. All other chiefly spun fibers mixed mainly or solely with wool (less than 36 percent wool)
- C. All other chiefly filament yarn mixed mainly or solely with wool (less than 36 percent wool)

5. Other related surveys

Knit fabrics — All production of knit fabrics should be reported on Current Industrial Report Form MA313K. Please indicate in the remarks section of the report form, if you are currently engaged in producing knit fabrics from this location and not reporting this production on the MA313K.

REFERENCE LIST

FORM MQ313T	
BROADWOVEN FABRICS (GRAY)	
Section I — BROAD FABRICS WEAVING LOOM ACTIVITY	
Column 1 — Loom hours operated in the manufacture of all fabrics reported in Sections II–V Column 2 — Broad fabrics weaving looms in place at end of quarter	
Item code	Loom description
1199	TOTAL LOOM HOURS (Sum of item codes 1151 through 1181)
	Shuttle type looms
1151	Single shuttle cam looms
1152	Single shuttle dobby looms
1153	Multiple shuttle box or headmotion looms
1154	Double shuttle pile and plush, and jacquard looms
	Shuttleless looms and weaving machines
	Single filling insertion capability:
1161	Air jet looms
1163	Water jet looms
1165	Projectile looms
1167	Rapier looms
	Multifilling insertion capability:
1171	Air jet looms
1173	Water jet looms
1175	Projectile looms
1177	Rapier looms
1181	Pile and plush looms

REFERENCE LIST — Continued

FORM **MQ313T**

Product code	Item code	Product description	Import category code
SECTION II — 85 PERCENT OR MORE SPUN YARN FABRICS AND BLENDS, AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBER BY WEIGHT, EXCLUDING BLENDS OF WOOL, SILK AND COTTON WITH OTHER VEGETABLE FIBERS			
(Report yardage off the loom in thousands of square yards unless otherwise specified)			
<p align="center"><i>Column 1 — Looms operating</i> <i>Column 2 — Total production, including yarn dyed</i> <i>Column 3 — Looms operating on yarn dyed fabrics</i> <i>Column 4 — Yarn dyed fabrics production, total</i></p>			
Plain weaves			
Tobacco, cheese, and bandage cloth:			
3132101102	3002	More than 50 percent cotton	226
313210H107	3011	All other fabrics, 85 percent or more spun yarn	226
Spun/filament yarn combinations:			
3132101106	3013	Chiefly cotton	226
313210M101	3015	Chiefly manmade	629
Print cloth:			
3132101111	3022	More than 50 percent cotton	315
313210H111	3027	Chiefly spun polyester mixed with cotton	615
313210H119	3031	All other fabrics, 85 percent or more spun yarn	615
Spun/filament yarn combinations			
3132101116	3035	Chiefly cotton	315
313210M106	3037	Chiefly manmade	626
Poplin and broadcloth:			
More than 50 percent cotton:			
3132101121	3042	Carded	314
3132101126	3044	Combed	314
Chiefly spun polyester mixed with cotton:			
313210H121	3052	Carded	614
313210H123	3054	Combed	614
313210H136	3063	All other fabrics, 85 percent or more spun yarn	
Spun/filament yarn combinations:			
3132101136	3065	Chiefly cotton	314
313210M111	3067	Chiefly manmade	625
Lawns, voiles, and batistes:			
More than 50 percent cotton			
3132101141	3091	More than 50 percent cotton	226
313210H146	3092	All other fabrics, 85 percent or more spun yarn	226
Spun/filament yarn combinations:			
3132101146	3096	Chiefly cotton	226
313210M116	3098	Chiefly manmade	629

REFERENCE LIST — Continued

FORM **MQ313T**

Product code	Item code	Product description	Import category code
SECTION II — 85 PERCENT OR MORE SPUN YARN FABRICS AND BLENDS, AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBER BY WEIGHT, EXCLUDING BLENDS OF WOOL, SILK AND COTTON WITH OTHER VEGETABLE FIBERS — Continued			
(Report yardage off the loom in thousands of square yards unless otherwise specified)			
Plain weaves — Continued			
		Bedsheeting:	
3132101161	3101	More than 50 percent cotton	313
		Chiefly spun polyester mixed with cotton:	
313210H151	3103	Carded	613
313210H154	3105	Combed	613
313210H159	3108	All other fabrics, 85 percent or more spun yarn	613
		Spun/filament yarn combinations:	
3132101166	3111	Chiefly cotton	313
313210M121	3113	Chiefly manmade	627
		Duck, including taped warp:	
3132101151	3131	More than 50 percent cotton	219
313210H184	3134	All other fabrics, 85 percent or more spun yarn	219
		Spun/filament yarn combinations:	
3132101156	3137	Chiefly cotton	219
313210M131	3139	Chiefly manmade	629
		All other sheeting, including osnaburgs:	
		More than 50 percent cotton:	
3132101171	3140	Weighing 5.9 ounces or less per square yard	313
3132101175	3141	Weighing more than 5.9 ounces per square yard	313
313210H161	3145	85 percent or more spun polyester	613
		Chiefly spun polyester mixed with cotton:	
313210H167	3150	Weighing 5.0 ounces or less per square yard	613
313210H169	3152	Weighing more than 5.0 ounces per square yard	613
313210H171	3155	Chiefly spun acrylic	613
313210H177	3159	Chiefly spun rayon and/or acetate	613
313210H179	3160	All other fabrics, 85 percent or more spun yarn	613
		Spun/filament yarn combinations:	
3132101181	3171	Chiefly cotton	313
313210M126	3173	Chiefly manmade	627
		Twill weaves	
		Blue denim (<i>Report in thousands of finished square yards</i>):	
		More than 50 percent cotton:	
3132103101	3201	Weighing 10.7 ounces or less per square yard	225
3132103106	3203	Weighing more than 10.7 ounces per square yard	225
313210J101	3206	All other fabrics, 85 percent or more spun yarn	225
		Spun/filament combinations	
3132103111	3208	Chiefly cotton	225
313210M136	3209	Chiefly manmade	628

