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Census File Number

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997

INSTRUCTIONS

1. General – The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 18B. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies which are not listed, describe and report them in the "Cost of all other materials . . ." line at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . .," Census material code 970099 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

2. Valuation of Materials Consumed – The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amounts actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

3. Contract Work – Include as materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in item 10, line e, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.

4. Resales – Cost for products bought and sold or transferred from other establishments of your company and sold prior to further manufacture, processing, or assembly should be reported in item 10, line b, not in item 17 below. The value of these products shipped by this establishment should be reported in item 18B under Census product code 99989 00 6, "Resales."

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Line No.	Materials, parts, and supplies (A)		Census material code (B)	Consumption of purchased materials and of materials received from other establishments of your company		
				Cost, including delivery cost (freight-in) (E)		
				574 Millions	Thou- sands	Dollars
1	NATURAL RUBBER	Latex	083113 1	\$		
2		Dry	083111 5			
3	PLASTICS MATERIALS AND SYNTHETIC RESINS, SYNTHETIC RUBBER, CELLULOSIC, AND OTHER MANMADE FIBERS, EXCEPT GLASS	Vinyl and vinyl copolymer resins, all forms	282137 9			
4		Plastics resins (except vinyl) consumed in the form of granules, pellets, powders, liquids, etc. (excluding sheets, rods, tubes, and shapes)	282109 8			
5		Polyurethane elastomers and plastics (except thermoplastics)	282107 2			
6		SBR-type (styrene-butadiene copolymers, including solution polymerized types with styrene content of 50 percent or less, polybutadienes, emulsion polymerized types, and butadiene-vinylpyridine copolymers)	282201 3			
7		Polychloroprene type	282205 4			
8		Nitrile type (butadiene-acrylonitrile)	282206 2			
9		Ethylene-propylene type	282215 3			
10		Thermoplastics polyurethane elastomers	282203 9			
11		Other plastics materials and synthetic resins, synthetic rubber, cellulosic, and other manmade fibers, except glass	282099 1			
12		FABRICATED RUBBER PRODUCTS, NOT ELSEWHERE CLASSIFIED	Reclaimed rubber (excluding "mud" and crumb or ground scrap)	306903 6		
13	Rubber compounds and mixtures purchased		306991 1			
14	All other fabricated rubber products, n.e.c.		306999 4			
15	INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE CLASSIFIED	Rubber processing chemicals (including accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.)	286933 7			
16		Plasticizers	286935 2			
17		All other industrial organic chemicals, n.e.c.	286999 8			
18	Carbon black		289501 9			

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued								
Line No.	Materials, parts, and supplies (A)			Census material code (B)	Consumption of purchased materials and of materials received from other establishments of your company			
					Cost, including delivery cost (freight-in) (E)			
				571	574	Millions	Thousands	Dollars
19	Inorganic pigments			281600 7	\$			
20	Plastics products consumed in the form of sheets, rods, tubes, and other shapes			308007 4				
21	Fabricated metal products (except forgings)			340091 8				
22	Shapes and Forms (Except castings, forgings, and fabricated metal products)	STEEL						
			Wire	331014 1				
23			All other steel shapes and forms	331003 4				
24	FABRICS	Cotton		220234 9				
25			Manmade fiber fabrics	220241 4				
26	Paper and paperboard containers			260091 4				
27	Cost of all other materials and components, parts, containers, and supplies consumed <i>Describe the principal materials, etc., included in this value.</i>			970099 8				
28	TOTAL Sum of lines 1–27 should equal item 10, line a				\$			

Item 18A – Not applicable to this report

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997

INSTRUCTIONS

1. General – The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of item 18B. PLEASE DO NOT COMBINE PRODUCT LINES.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

2. Valuation of Products – Report the value of the products shipped and services performed at the net selling value, f.o.b. plant to the customer; i.e., after discounts and allowances, and exclusive of freight charges and excise taxes.

If you transfer products to other establishments within your company, you should assign the full economic value to the transferred products; i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.

3. Contract Work – Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" under Census product code 93000 00 8.

4. Resales – Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census product code 99989 00 6, "Resales."

5. Definitions – The term "rubber" includes products made from natural, synthetic, or reclaimed rubbers. The term plastics is defined to include synthetic resinous materials which are not described as "elastomers," a material which, when vulcanized, will stretch repeatedly to 150 percent or more and will return rapidly, and with force, to its approximate original state. Synthetic elastomers include synthetic rubber.

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 - Continued

Line No.	Products and services (A)		Census product code (B)	Products shipped and other receipts				
				Value, f.o.b. plant (E)				
				584 Millions	Thou- sands	Dollars		
1	MOLDED RUBBER MECHANICAL GOODS	Automotive	30611 00 8	\$				
2	(Excluding all latex foam, chemically blown products, and polyurethane products)	Transportation (except automotive) and off-highway machinery and equipment	30612 00 6					
3		Other molded rubber mechanical goods	30613 00 4					
4	EXTRUDED RUBBER MECHANICAL GOODS (Excluding all latex foam, chemically blown products, and polyurethane products)	Automotive, except tubing	30614 00 2					
5		Other extruded rubber mechanical goods	30615 00 9					
6	LATHE-CUT RUBBER MECHANICAL GOODS (Excluding all latex foam, chemically blown products, and polyurethane products)	Automotive (transportation, including on- and off-the-road; gasoline and diesel equipment)	30616 00 7					
7		Other lathe-cut rubber mechanical goods	30617 00 5					
8	Sponge, Expanded, and Foam Rubber Products (30693)	LATEX FOAM	Automotive applications	30693 17 0				
9			Upholstery (sheet and slab stock)	30693 23 8				
10			Carpet and rug cushions	30693 51 9				
11			Other latex foam products (including clothing, insulation and padding, hospital padding, and topper pads)	30693 68 3				
12		CHEMICALLY BLOWN PRODUCTS	Open cell sponge	Carpet and rug cushions	30693 73 3			
13				Automotive	30693 74 1			
14				Other	30693 75 8			
15			Closed cell sponge	Automotive	30693 77 4			
16				Appliances, air-conditioning, and refrigeration	30693 82 4			
17				Construction	30693 83 2			
18				Other	30693 84 0			
19			Rubber Floor and Wall Coverings (30694)	MATS, MATTING, AND STAIR TREADS	Rolls	30694 22 8		
20		Individual mats			Automotive	30694 23 6		
21					All other (including stair treads)	30694 24 4		
22		Other floor and wall coverings (including cove base, wainscotting, etc.)		30694 27 7				
23		RESILENT FLOOR COVERINGS		Sheet flooring	30694 28 5			
24			Tile	30694 29 3				
25		SHOE PRODUCTS, RUBBER, ELASTOMER RESIN (30696)	Heels and soles	30696 15 7				
26	Soling slabs and top lift sheets		30696 51 2					
27	Unit sole (sole and heel combination)		30696 61 1					

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued							
Line No.	Products and services (A)			Census product code (B)	Products shipped and other receipts		
					Value, f.o.b. plant (E)		
				581	584	Thou-	Dollars
				Millions	sands		
28	Rubber Drug-gist and Medical Sundries, In-cluding Household Gloves (3069F)	Nipples and pacifiers		3069F31 4	\$		
29		GLOVES (Including rubberized)	Household and surgical	3069F 41 3			
30		Other (including diaphragms, prophylactics, ice bags, caps, water bottles, fountain syringes, and combinations)		3069F 81 9			
31	Rubber compounds or mixtures for sale or interplant transfer			30699 00 3			
32	Industrial Rubber Products, N.E.C. (3069C)	ROLL COVERINGS	Graphics arts, rubber and plastics (printing trade)	3069C 12 1			
33			Paper mill, rubber	3069C 15 4			
34			Industrial, rubber (excluding steel mills and plastics)	3069C 16 2			
35			Other roll coverings (including steel mills and plastics)	3069C 17 0			
36		Pressure sensitive tape, rubber-backed (including friction)		3069C 11 3			
37		Single-ply membrane roofing		3069C 14 7			
38		SHEET RUBBER, LININGS, AND RUBBER FILM	Film and sheet rubber, vulcanized	3069C 23 8			
39			Vulcanizable elastomeric linings	3069C 24 6			
40		Printers' blankets		3069C 30 3			
41		Other (including jar rings and fuel cells) – <i>Specify kind</i>		3069C 44 4			
42		Rubber Coated Fabrics and Rubber Clothing (Report vinyl coated fabrics or clothing on lines 65-69) (3069D)	RUBBER COATED FABRICS	Garment and footwear fabrics	3069D 15 2		
43	Inflatable fabrics			3069D 18 6			
44	Other coated fabrics (including automotive and furniture upholstery, hospital and crib sheeting, and protective covering fabrics)			3069D 20 2			
45	RUBBER COATED CLOTHING	Industrial rubber gloves	3069D 41 8				
46		Other rubber clothing (including wet suits, rainwear, aprons, dress shields, baby pants, and bathing and shower caps)	3069D 42 6				
47	Other Rubber Goods (3069E)	HARD RUBBER MECHANICAL GOODS	Battery jars, boxes, and parts	3069E 13 4			
48			Other	3069E 19 1			
49		Reclaimed rubber – Any vulcanizable material (except reclaimed residue or "mud" derived from processing or treatment of natural or synthetic (chemical) vulcanized scrap rubber) (Report sales of crumb or ground rubber, grindings, or scrap rubber not devulcanized by the pan, digester, or reclamation processes in "Miscellaneous receipts", line 71.)		3069E 20 9			
50		Thread, bare		3069E 21 7			
51		Boats, pontoons, and life rafts		3069E 22 5			
52		Balloons (toy, advertising, meteorological, etc.)		3069E 23 3			
53		Stationer's sundries (including bands, finger cots, and erasers, but excluding pencil plugs)		3069E 28 2			
54		Toys (including balls, except ballons and dolls)		3069E 26 6			
55		Tank blocks, treads, and band tracks		3069E 27 4			
56		Other rubber goods		3069E 29 0			
57	Industrial machinery plastics products, except foam (including gears, bushings, cams, and other components, housings, process equipment, tooling plugs, grommets, materials handling trays, etc.)			30893 00 2			

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued

Line No.	Products and services (A)	Census product code 581 (B)	Products shipped and other receipts		
			Value, f.o.b. plant (E)		
			584 Millions	Thou-sands	Dollars
58	Elastomeric gaskets and gasketing	30535 15 7	\$		
59	MOLDED PACKINGS AND SEALS (30536) O-rings (including spliced, excluding metal)	30536 21 3			
60	Squeeze-type, solid section ring seals (including rectangular, quad, Delta, D, Tee; excluding O-rings)	30536 22 1			
61	Flexible seals, dual component cushioned rings, backed, constrained, or loaded by an elastomeric ring	30536 25 4			
62	Flexible seals, single and multiple component lip type, both symmetrical and nonsymmetrical (V-rings, V-ring sets, U-cup, cup seal, flange seal, collar seal, single lip nonsymmetrical)	30536 26 2			
63	Diaphragm seal—flat, rolling	30536 30 4			
64	All other molded packings and seals (including leather and plastics seals, exclusion devices (nonmetallic) and piston rings (nonmetallic))	30536 35 3			
65	ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT <i>Describe and report separately each product with a sales value of \$50,000 or more which cannot be assigned to one of the lines above. Specify unit of measure for quantity. For all remaining products, write "Other" and report a single total value.</i>	18			
66		26			
67		34			
68		42			
69		59			
70	CONTRACT WORK Receipts for work done for others on their own materials <i>Describe below products worked on and kind of work.</i>	93000 00 8			
71	MISCELLANEOUS RECEIPTS Miscellaneous receipts (including receipts for repair work, sale of scrap and refuse, etc.)	99980 00 5			
72	RESALES Sales of products bought and sold without further manufacture, processing, or assembly in this establishment. The cost of such items should be reported in item 10, line b.	99989 00 6			
73	TOTAL value of shipments and other receipts Sum of lines 1–72, column (E)	77000 00 8	\$		

Items 19–21 – Not applicable to this report

REMARKS – Please use this space for any explanations that may be essential in understanding your reported data.

Item 22. CERTIFICATION – This report is substantially accurate and has been prepared in accordance with instructions.

Name of person to contact regarding this report (<i>Print or type</i>)		Telephone	Area code	Number	Extension		
667	1	2					
Name of company			Address (<i>Number and street, city, State, ZIP Code</i>)				
Period covered		FROM: Month	Day	Year	TO: Month	Day	Year
		666	1		2		
Signature of authorized person				Title		Date	