## 98 Production of man-made fibres

This Report on the Production of Man-made Fibres Industry relates to establishments engaged wholly or mainly in manufacturing staple fibre and cont inuous filament yarn y extrusion. The preparation of continuous filament yarn for weaving or knitting (doubling, twisting winding etc) is included when carried out at the same establ ishment.

This industry corresponds to minimum list heading 411 in the Standard Industrial Classification (Revised 1968) which has been used for the first time as a basis o classification in the 1968 census. The definition of this industry however is unchanged from the

Returns in full detail were received from all firms in this industry, there being no firms with less than twenty-five persons employed in 1963 or in 1968, all the tables in this report, therefore, relate to the industry as a whole

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which appear on pages (i) to (iv).

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(c) Direct sales of goods (excluding canteen takings) made to, and work done for, the general publ ic
are included. These amounted to $£ 36,000$ in 1968 . Similar information is not available for 1963
(d) This is the ratio of total sales of principal products by the industry to total sales of goods
produced and work done.
(e) Administrative, technical and clerical employees
(f) Excluding expenditure for establishments not yet in production

ABLE 1 Industry summary, 1963 and 1968 United Kingdom (a)


[^0]establishments with less than twenty-five persons employed in 1963 or in 1968 .
(b) Including services rendered to other organisations (amounts charged for hiring out plant, machinery or
other goods, for providing transport, or for technical or other services rendered).
Footnotes continued on page 98/2.

TABLE 2 Analysis by size of establishment within the industry, 1968 All establishments: United Kingdom

Owing to the risk of disclosure of informat ion relat ing
individual enterprises, this table cannot be shown.
individual enterprises, this table cannot be shown.

TABLE 3 Percentage analysis of employees, by age and sex, 1969 (a)
All establishments: United Kingdom

| All establishments: United Kingdom |  |  |  |
| :--- | :---: | :---: | :---: |
| Ages | Males | Females | All employees |
| Under 18 | Per cent. | Per cent. | Per cent. |
|  | 1 | 1 | 2 |
|  | 84 | 14 | 98 |
|  | 85 | 15 | 100 |

(a) The percentages relate to the numbers employed (excluding working proprietors) at June 1969, the earliest date for Whindard Industrmat ion is available on the basis of th Standard Industrial Classification (Revised 1968).

TABLE 4 Analysis of larger establishments, 1963 and 1968 Establishments employing 25 or more persons: United Kingdom

This table is not shown separately since in this industry it is equivalent to Table 1.

TABLE 5 Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968 (a) (b) Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

|  | 1963 |  | 1968 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value | Enterprises | Entries |
| Man-made fibres | Th.1b. | £ 000 | Th. 1 b . | £’000 | Number | Number |
| Single continuous filament yarn (c) |  |  |  |  |  |  |
| Viscose | 126,736 | 24,564 | 55,269 | 13,379 | * | 6 |
| Acetate and triacetate | 38,750 | 10,847 | 81,217 | 28,225 | * | 6 |
| 0ther non-synthetic | 112 | 97 | 149 | 171 | * | * |
| Synthetic | 134,316 | 74,760 | 277,415 | 119, 159 | * | 12 |
| Staple fibre |  |  |  |  |  |  |
| Viscose and other non-synthetic fibres not separately specified | 285,924 | 27,073 | 349,332 | 32,421 | * | * |
| Acetate and triacetate | 18,392 | 3,051 | 29,462 | 5,594 | * | * |
| Synthetic | 85,931 | 31,813 | 263,810 | 61,241 | * | 5 |
| 0 ther products |  | 168 |  | 268 | * | * |
| Waste products |  | 1,657 |  | 820 | * | 15 |
| Work done |  | 200 |  | 91 | * | * |
| Total |  | 174,230 |  | 261,369 | . | . |
| Sales in other industries (see Table 6) (b) |  | - |  | - |  |  |
| Principal products of this industry sold by establishments in the industry |  | 174,230 |  | 261,369 | 5 | 26 |

(a) This analysis is equivalent to an all-establishments analysis (see introduction at the beginning
of the report
(b) No sales of principal products of the industry were recorded by establishments classified to
(c) The total amount of high tenacity yarn for industrial purposes returned in 1968 was $55,358,000$ lb
value $£ 18,513,000$ and in $196387,421,000 \mathrm{lb}$. value $£ 20,868,000$

TABLE 6 Sales of principal products of the industry by establishments classified to other industries, 1963 and 1968
Establishments employing 25 or more persons: United Kingdom

No sales of principal products of the industry were recorded by
establishments classified to other industries for 1968 or for 1963

TABLE 7 Sales of other than principal products by larger establishments in the industry, 1963 and 1968 (a)
Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

|  | 1963 |  | 1968 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value |
| Man-made fibres | Th. lb . | £'000 | Th.1b. | £’000 |
| Doubled yarn and single yarn bulked, textured, or given an additional twist (including doubled or twisted thread advanced beyond the stage of single yarn) | 46,566 | 16,685 | 119,764 | 31,481 |
| Other goods including sales of electricity and steam and services rendered to other organisations (b) | .. | 10,843 | . | 20,945 |
| Total value of goods sold without being subjected to any manufacturing process (merchanted or factored) | .. | 6,270 | . | 20,143 |
| Canteen takings |  | 827 |  | 899 |
| Total |  | 34,625 |  | 73,467 |

(a) This analysis is equivalent to an all-establishments analysis (see introduction at the
(b) Services rendered include amounts charged for hiring out plant or machinery or other goods, for providing transport, or for technical or other services rendered to other
organisations.

TABLE 8 Production of certain principal products of the industry by larger establ ishments, 1963 and 1968

This table is not applicable to this industry

TABLE 9 Purchases by larger establishments of selected principal products of the industry, 1968

This table is not applicable to this industry
The main purchasing industries of man-made fibre (rayon, nylon, etc)
continuous filament yarn are listed in Table 9 of the report on the continuous filament yarn are listed in Table 9 of the report on the together with the details of the quantity and value purchased by each

TABLE 10 Purchases by larger establishments in the industry, 1963 and 1968 (a) Est abl ishments employing 25 or more persons:
Analysis of returns received, United Kingdom

|  | 1963 |  | 1968 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quant ity | Cost | Quantity | Cost |
| Materials for use in production |  | £'000 |  | £'000 |
| Wood pulp | .. | 12, 270 | .. | 15,399 |
| Cotton 1 inters (raw, not bleached) | . | (b) | .. | 580 |
| General chemicals (c) |  |  |  |  |
| Inorganic |  |  |  |  |
| Sulphuric acid and oleum | .. | 1,763(d) | .. | 2,684 |
| Carbon disulphide | ) |  | .. | 3,272 |
| Sodium hydroxide (caustic soda) |  |  | .. | 3,862 |
| Other inorganic chemicals (including inorganic gases) |  |  | .. | 3,300 |
| Organic | \% | 23,429 \{ |  |  |
| Cellulose acetate and cellulose triacetate |  |  |  | 9,757 |
| 0ther organic chemicals (including organic gases, acetic anhydride, ethyl and other alcohols, and coal tar products) |  |  |  | 24,514 |
| 0ther (eg mixtures of inorganic and organic chemicals) |  |  |  | 3,455 |
| Dyestuff | .. | 787 | .. | 1,690 |
| Starches and sizing materials (including gums) | .. | 340 | .. | 58 |
| Granules, moulding and extrusion compounds of polyethylene and polypropylene and copolymers |  | (e) | Th. cwt. 102 | 926 |
| Man-made fibres (nylon, rayon, etc) continuous filament yarn |  |  | Th. 1 b . |  |
| Synthetic (nylon, etc) yarn | ) |  | 3,696 | 1,292 |
| Other (rayon, etc) yarn |  |  | 1,474 | 472 |
|  | Th. sq.yds. |  | Th. sq.yds. |  |
| wholly or mainly of cotton (including cloth for filtering and wrapping) | 2,351 | 446 73 | 1,071 | 131 303 |
|  | $\begin{gathered} \text { Th. gal. } \\ 183 \end{gathered}$ | 49 | Th.gal. 189 | 52 |
| Lubricating oils and greases | Th.ewt. |  | Th.ewt. |  |
|  | 4.8 | 35 \{ | $\begin{array}{r}1.5 \\ \hline\end{array}$ | 9 25 |
| Water | .. | (b) |  | 455 |
| Replacement parts for firms, own machinery, plant and vehicles, and accessories and consumable tools bought as replacement |  |  |  |  |
| Tubes, cones, etc (except those of paper, etc purchased for packaging) |  | 658 | .. | 742 |
| Tyres and other spare parts for firms, own road goods vehicles | .. | 3,700 | .. | 86 |
| 0 ther |  |  | .. | 4,317 |
| All other materials for use in production | .. | 34,330 | . | 49,963 |

TABLE 10 (continued)


[^1]b) Included with 'All other materials for processing'
(c) Described as 'Heavy chemicals' in 1963
(d) Did not specifically include '0leum' for 1963.
(e) Not recorded separately for 1963.
(f) The total quantity of electricity generated in firms' own establishments in this industry was $466,539 \mathrm{Th} . \mathrm{kWh}$ in 1968 and $402,875 \mathrm{Th} . \mathrm{kWh}$ in 1963.
(g) Revised figures.

TABLE 11 Transport costs and employment of larger establ ishments, 1963 and 1968 (a)
Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

|  | Unit | 1963 | 1968 |
| :---: | :---: | :---: | :---: |
| Average number mainly employed on transport | No. | 224 | 304 |
| Transport costs |  |  |  |
| Wages and salaries | £'000 | 179 | 357 |
| Derv fuel and motor spirit | " | 60 | 153 |
| Tyres and other spare parts for road goods vehicles | " |  | 86 |
| by road | " |  | 3,221 |
| Payments to other organisat ions for transport $\quad\left\{\begin{array}{l}\text { by rail and other } \\ \text { means excluding } \\ \text { postal services }\end{array}\right.$ | " | 1,670 | 166 |
| Costs of operating road goods vehicles |  |  |  |
| Insurance | " | 9 | 9 |
| Vehicle licences | " | 10 | 38 |
| Depreciation | " | 284 | 105 |
| Payments to other organisations for repairs and maintenance | " | 6 | 24 |
| Total | " | 2,218(b) | 4,160 |

(a) This analysis is equivalent to an all-establishments analysis (see
uction at the beginning of the report)
(b) Excluding tyres and other spare parts for road goods vehicles, not
collected separately for 1963 .

TABLE 12 Payments for certain services, etc by larger Payments for certain services, etc by
establishments, 1963 and 1968 (a) (b) Establ ishments employing 25 or more persons:
Analys is of returns received, United Kingdom

|  | Amounts payable |  |
| :--- | ---: | ---: |
|  | 1963 | 1968 |
| Repairs and maintenance to | $£{ }^{\prime} 000$ | $£ \prime 000$ |
| Buildings | 373 | 501 |
| Road goods vehicles | 6 | 24 |
| Plant, machinery and other capital equipment | 1,015 | 2,325 |
| Insurance, licensing and depreciation of road goods |  | 303 |
| vehicles (c) | 152 |  |
| Rates, excluding water rates | 989 | 1,563 |
| Hire of plant and machinery | 132 | 420 |
| Postage, telephone, telegrams, cables and telex (d) | 238 | 245 |
| Total |  | 3,057 |

[^2]TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger establ ishments, 1968 (a)

Establishments employing 25 or more persons: Analys is of returns received, United Kingdom

| Year ended | Percentage of total returns received | Percentage of total number employed |
| :---: | :---: | :---: |
| 1968 | Per cent. | Per cent. |
| April (b) | 0.0 | 0.0 |
| May | 0.0 | 0.0 |
| June | 0.0 | 0.0 |
| July | 0.0 | 0.0 |
| August | 0.0 | 0.0 |
| September | 0.0 | 0.0 |
| October | 3.8 | 0.5 |
| November | 0.0 | 0.0 |
| December | 34.6 | 53.7 |
| 1969 |  |  |
| January | 0.0 | 0.0 |
| February | 0.0 | 0.0 |
| March | 57.7 | 42.3 |
| April (c) | 3.8 | 3.5 |
|  | 100 | 100 |

(a) This analysis is equivalent to an all-establishments analysis (see introduction at the beginning of the report).
(b) From 6 April.
(c) To 5 April.


[^0]:    (a) Returns in full detail were received from all establishments in this industry, there being no
    establishments with less than twenty-f ive persons employed in 1963 or in 1968 .

[^1]:    (a) This analysis is equivalent to an all-establishments analysis (see introduction at the
    beginning of the report).

[^2]:    (a) No deduction is made for these payments to arrive at the figures of net
    a) No deduction is made for the
    (b) This analysis is equivalent to an all-establishments analysis (see
    introduction at the beginning of the report).
    introduction at the begim
    c) For details see Table 11
    (d) Excluding Telex for 1963.

