

Annex to the 2021 Annual Survey of Manufacturing Industries

CONFIDENTIAL once completed.

Selon nos dossiers votre langue de préférence est l'anglais, si vous préférez recevoir ce document en français, veuillez nous appeler au numéro sans frais suivant : 1-800-858-7921 ou ATS 1-800-363-7629

This information is collected under the authority of the *Statistics Act*, Revised Statutes of Canada, 1985, Chapter S-19.
COMPLETION OF THIS QUESTIONNAIRE IS A LEGAL REQUIREMENT UNDER THIS ACT.

Introduction

Survey purpose

This survey collects the financial and operating data needed to develop national and regional economic policies and programs.

Data from this survey are used by the business community, manufacturing associations, federal and provincial departments, and international organizations to:

- profile the manufacturing and logging industries
- undertake market studies
- forecast demand
- develop trade tariff policies.

In addition, businesses use the data to track their performance against industry averages, evaluate expansion plans, and prepare business plans for investors.

Your information may also be used by Statistics Canada for other statistical and research purposes.

Your participation in this survey is required under the authority of the *Statistics Act*.

Security of emails and faxes

Statistics Canada advises you that there could be a risk of

disclosure during facsimile or email. However upon receipt, Statistics Canada will provide the guaranteed level of protection afforded all information collected under the authority of the *Statistics Act*.

Note: Our online questionnaires are secure, there is no risk of data interception when responding to Statistics Canada online surveys.

Confidentiality

The *Statistics Act* protects the confidentiality of information collected by Statistics Canada.

Data-sharing agreements

To reduce respondent burden, Statistics Canada has entered into data-sharing agreements with provincial and territorial statistical agencies and other government organizations, which have agreed to keep the data confidential and use them only for statistical purposes.

Information on confidentiality, data-sharing agreements and record linkages can be found on the last page of this questionnaire.

Please return the questionnaire within 21 days.

Please mail the completed questionnaire in the enclosed envelope or fax it to Statistics Canada at 1-888-883-7999.

If you are unable to complete within 21 days **OR** if you need help, call us at **1-800-858-7921** or **TTY 1-800-363-7629**.

Statistics Canada
Operations and Integration Division
150 Tunney's Pasture Driveway
Ottawa, Ontario K1A 0T6

Visit our website, www.statcan.gc.ca

Context

The Government of Canada is implementing a comprehensive agenda focused on addressing the causes of plastic pollution and waste along the lifecycle of plastics. The agenda is also being supported by efforts from other levels of government, businesses and community partners. Data on plastics and plastic waste management is necessary to enable the Government of Canada and its partners to measure progress towards its commitments. To this end, we require a comprehensive system of plastics data collection and material flow account to characterize the production, use and fate of materials and products containing plastics in Canada.

Specific plastic resins questions

The questions in this annex were added to the Annual Survey of Manufacturing Industries to get relevant information on plastic resins produced and used by the manufacturing sector. They are an extension of the questions that appear in the 2021 Annual Survey of Manufacturing Industries questionnaires, in the sections titled: Sales of goods manufactured, logs and wood residue; and Purchases of raw materials and components to be used in manufacturing or logging process. However, **this annex only applies if your business sold, or purchased as a raw material or component, one or more of the following resins.**

Product code	Product description
28111111	Polyethylene terephthalate (PET) resins
28111112	Other thermoplastic polyester resins
28111210	Low-density polyethylene resins
28111220	Linear low-density polyethylene resins
28111230	High-density polyethylene resins
28111240	Other polyethylene resins
28111310	Polystyrene resins
28111410	Acrylonitrile-butadiene-styrene resins
28111420	Polyvinyl chloride resins
28111431	Polypropylene resins
28111432	Thermoplastic polyurethane resins
28111433	Polyamide (nylon) resins
28111434	All other thermoplastic resins
28111511	Phenolic resins
28111512	Urea formaldehyde resins
28111513	All other formaldehyde based resins
28111611	Unsaturated polyester (thermosetting) resins
28111612	Thermosetting polyurethane resins
28111613	Other thermosetting resins

The questions in this annex are only for plastic resins. If your business sold products or purchased raw materials or components other than resins, these should still be reported in the 2021 Annual Survey of Manufacturing Industries.

If you sell or use a plastic resin that is not mentioned in the list above, you can search which category it belongs to by using this link: <https://www23.statcan.gc.ca/imdb/p3VD.pl?Function=getVD&TVD=1293144&CVD=1215629&CPV=281&CST=01012017&CLV=1&MLV=5>

Working your way down from the suggested categories to the different subcategories that match the list above, consult the list of 'All examples' using the links available at the bottom.

Sales of goods manufactured, logs and wood residue

Please answer the next question for each of the resins mentioned on the previous page. If you sold many of these products, you might need to print this page multiple times.

1. Please provide your sales of goods manufactured, logs and wood residue by product in **thousands of Canadian dollars**.

For each product, report sales net of shipping charges by common or contract carriers, discounts, sales allowances, returned sales, sales taxes, and excise duties and taxes. The total net sales for all products should equal the amount reported in question 3a. of the **Industry characteristics** section.

Product description

		Product code

Was this product sold during this reporting period?

B40232_p

Yes



Quantity sold (in kilograms)	Value of sales (CAN\$ '000)
B40004_p <input style="width: 100%;" type="text"/>	F43006_p \$ <input style="width: 80%;" type="text"/> ,000

No

INFORMATION COPY
 DO NOT USE TO REPORT

Please answer the next questions for each of the resins listed below. If you purchased multiple resins, you might need to print the next questions many times.

Product code	Product description
28111111	Polyethylene terephthalate (PET) resins
28111210	Low-density polyethylene resins
28111220	Linear low-density polyethylene resins
28111230	High-density polyethylene resins
28111310	Polystyrene resins
28111410	Acrylonitrile-butadiene-styrene resins
28111420	Polyvinyl chloride resins
28111431	Polypropylene resins
28111432	Thermoplastic polyurethane resins
28111433	Polyamide (nylon) resins
28111511	Phenolic resins
28111512	Urea formaldehyde resins
28111611	Unsaturated polyester (thermosetting) resins
28111612	Thermosetting polyurethane resins

INFORMATION COPY
DO NOT USE TO REPORT

Purchases of raw materials and components to be used in manufacturing or logging process

This section asks for a breakdown of this business's purchases of raw materials and components. The total cost of purchases for all raw materials and components should match the amount reported in question 5a. of the Industry characteristics section.

Note : If your only activity is contract logging and your business unit only provides a labour service, this section does not apply to your business.

Product description

□		Product code □
---	--	------------------------------

1. Was this raw material or component purchased this reporting period?

B40235_p

Yes

Quantity purchased (in kilograms) <small>B40009_p</small> <input style="width: 100%;" type="text"/>	Cost of purchase (CAN\$ '000) <small>F61304_p</small> \$ <input style="width: 80%;" type="text"/> ,000
--	---

No

2. Of the total kilograms reported in the previous question, what were the quantities purchased from the following sources?
When precise figures are not available, provide your best estimates.

**Quantity purchased
(in kilograms)**

**Quantity reused
or given
(in kilograms)**

Virgin resin

Resin produced from nonrenewable fossil fuels, e.g., petroleum or natural gas sources.

a. Virgin resin

B40230_pc15_p

Pre-consumer (post-production) recycled resin

Pre-consumer recycled resin consists of material resulting from a manufacturing process that is diverted from the waste stream. It is the reutilization of materials such as rework, regrind, or scrap generated in a process. It can be reused within the same process that initially generated it or waste material originating (purchased or given) from another facility.

b. Resin recycled within the same process that initially generated it

B40355_pc16_p

c. Pre-consumer recycled resin originating from another facility

B40230_pc16_p

Post-consumer recycled resin

Post-consumer recycled resin comes from plastic that was **used by the end-consumer, and recycled by a recycling facility**. If this post-consumer recycled material is a **blend** of resins, report it in this section only if the resins identified in the Product description are the main component of the blend. The **entire** amount of the blended post-consumer resins should be reported here (i.e., not just the amount of resins in the Product description).

d. Post-consumer recycled resin – mechanical recycling source
 Mechanical recycling refers to recovering plastics wastes via mechanical processes (i.e., grinding, washing, separating, drying, regranulating and compounding). . . .

B40230_pc21_p

e. Post-consumer recycled resin – chemical recycling source
 Chemical recycling changes the chemical structure of a polymeric material using processing methods such as high heat, high pressure, solvents and catalysts. The chemical recycling processes includes, but may not be limited to, purification, depolymerisation and decomposition.

B40230_pc22_p

...continues on next page

...continued from previous page

2. Of the total kilograms reported in the previous question, what were the quantities purchased from the following sources?
When precise figures are not available, provide your best estimates.

**Quantity purchased
(in kilograms)**

**Quantity reused
or given
(in kilograms)**

f. Post-consumer recycled resin – unknown source

B40230_pc23_p

Bio-based resin

These are resins produced from renewable biomass sources, such as vegetable fats and oils, corn starch, straw, woodchips, sawdust, recycled food waste, etc.

g. Bio-based resin

B40230_pc24_p

Total	B40230_pc30_p <input type="text"/>	B40355_pc30_p <input type="text"/>
--------------	---------------------------------------	---------------------------------------

3. Please provide comments if you have difficulties responding to the previous question or if you would like to provide additional information regarding the product.

Comment box

INFORMATION COPY
DO NOT USE TO REPORT

Please answer the next questions for each of the resins listed below. If you purchased multiple resins, you might need to print the next questions many times.

Product code	Product description
28111112	Other thermoplastic polyester resins
28111240	Other polyethylene resins
28111434	All other thermoplastic resins
28111513	All other formaldehyde based resins
28111613	Other thermosetting resins

Purchases of raw materials and components to be used in manufacturing or logging process

This section asks for a breakdown of this business's purchases of raw materials and components. The total cost of purchases for all raw materials and components should match the amount reported in question 5a. of the Industry characteristics section.

Note : If your only activity is contract logging and your business unit only provides a labour service, this section does not apply to your business.

Product description		Product code
<input type="text"/>	<input type="text"/>	<input type="text"/>

1. Was this raw material or component purchased this reporting period?

B40235_p

Yes



Quantity purchased (in kilograms)	Cost of purchase (CAN\$ '000)
B40009_p <input type="text"/>	F61304_p \$ <input type="text"/> ,000

No

DO NOT USE TO REPORT