

Annex to the 2022 Annual Survey of Manufacturing Industries

CONFIDENTIAL once completed.

Selon nos dossiers votre langue de référence 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 to 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.

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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 2022 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 processes. 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
28112110	Polyethylene terephthalate (PET) resins
28112190	Other thermoplastic polyester resins
28112210	Low-density polyethylene (LDPE) resins
28112220	Linear low-density polyethylene (LLDPE) resins
28112230	High-density polyethylene (HDPE) resins
28112290	Other polyethylene resins
28112310	Polystyrene (PS) resins
28112910	Acrylonitrile-butadiene-styrene (ABS) resins
28112920	Polyvinyl chloride (PVC) resins
28112930	Polypropylene (PP) resins
28112940	Thermoplastic polyurethane (TPU) resins
28112950	Polyamide (PA, nylon) resins
28112990	All other thermoplastic resins, n.e.c.
28113110	Phenolic (PF) resins
28113120	Urea formaldehyde (UF) resins
28113190	All other formaldehyde based resins
28113910	Thermosetting unsaturated polyester (UPR) resins
28113920	Thermosetting polyurethane (PU) resins
28113990	Other thermosetting resins, n.e.c.

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 2022 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&IND=1293144&CVD=1215695&IPV=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 (in \$ '000)
B40004_p <input type="text"/>	F43011_p \$ <input type="text"/> ,000

No

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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
28112110	Polyethylene terephthalate (PET) resins
28112210	Low-density polyethylene (LDPE) resins
28112220	Linear low-density polyethylene (LLDPE) resins
28112230	High-density polyethylene (HDPE) resins
28112310	Polystyrene (PS) resins
28112910	Acrylonitrile-butadiene-styrene (ABS) resins
28112920	Polyvinyl chloride (PVC) resins
28112930	Polypropylene (PP) resins
28112940	Thermoplastic polyurethane (TPU) resins
28112950	Polyamide (PA, nylon) resins
28113110	Phenolic (PF) resins
28113120	Urea formaldehyde (UF) resins
28113910	Thermosetting unsaturated polyester (UPR) resins
28113920	Thermosetting polyurethane (PU) resins

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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)	Cost of purchase (CAN\$ '000)
B40009_p <input type="text"/>	F61304_p \$ <input 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. This 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 materials 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 in this section, 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

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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 <input type="text"/>	<input type="text"/>

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

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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
28112190	Other thermoplastic polyester resins
28112290	Other polyethylene resins
28112990	All other thermoplastic resins, n.e.c.
28113190	All other formaldehyde based resins
28113990	Other thermosetting resins, n.e.c.

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

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General information

Confidentiality

Your answers are confidential.

By law, Statistics Canada is prohibited from releasing any information it collects that could identify any person, business, or organization, unless consent has been given by the respondent, or as permitted by the *Statistics Act*. Statistics Canada will use the information from this survey for statistical purposes only.

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. Statistics Canada will only share data from this survey with those organizations that have demonstrated a requirement to use the data.

Section 11 of the *Statistics Act* provides for the sharing of information with provincial and territorial statistical agencies that meet certain conditions. These agencies must have the legislative authority to collect the same information, on a mandatory basis, and the legislation must provide substantially the same provisions for confidentiality and penalties for disclosure of confidential information as the *Statistics Act*. Because these agencies have the legal authority to compel businesses to provide the same information, consent is not requested and businesses may not object to the sharing of the data.

For this survey, there are **Section 11** agreements with the provincial and territorial statistical agencies of Newfoundland and Labrador, Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan, Alberta, British Columbia and the Yukon. The shared data will be limited to information pertaining to business establishments located within the jurisdiction of the respective province or territory.

Section 12 of the *Statistics Act* provides for the sharing of information with federal, provincial or territorial government organizations. Under **Section 12**, you may refuse to share your information with any of these organizations by writing a letter of objection to the Chief Statistician and returning it with the completed questionnaire. Please specify the organizations with which you do not want to share your data.

For all manufacturing industries — there are **Section 12** agreements with the statistical agencies of Prince Edward Island, Northwest Territories and Nunavut as well as with the New Brunswick Department of Environment and Local Government, the Quebec Forest Industry Council, the ministère des Forêts, de la Faune et des Parcs du Québec, Ontario Ministry of Northern Development, Mines, Natural Resources and Forestry, Manitoba Agriculture, the Saskatchewan Ministry of Energy and Resources, the Alberta Ministry of Agriculture and Forestry, the British Columbia Ministry of Forests, Lands and Natural Resource Operations, Agriculture and Agri-Food Canada, Environment and Climate Change Canada, Natural Resources Canada and the Canada Energy Regulator.

For establishments in non-ferrous metal (and aluminum) smelting and refining, clay building material and refractory manufacturing, cement manufacturing and lime manufacturing — there are **Section 12** agreements with the Newfoundland and Labrador Department of Natural Resources, the Manitoba Department of Growth, Enterprise and Trade and the British Columbia Ministry of Energy, Mines and Low Carbon Innovation.

For agreements with provincial and territorial government organizations, the shared data will be limited to information pertaining to business establishments located within the jurisdiction of the respective province or territory.

Authorized disclosure

Section 17 of the federal *Statistics Act* allows for the disclosure of a list of individual establishments, firm or businesses showing information including establishments' names and locations (province, territory and municipality) and North American Industrial Classification System (NAICS) codes. The disclosure of these lists may be authorized in order to aid analysts in the interpretation of the data from the Annual Survey of Manufacturing and Logging Industries.

Record linkages

To enhance the data from this survey and to reduce the response burden, Statistics Canada may combine the acquired data with information from other surveys or from administrative sources.

Thank you for completing this questionnaire.

Please retain a copy for your records.

Visit our website, www.statcan.gc.ca