The above data are rounded estimations.

1. For data availability reasons, mechanically and chemically recycled plastics data (post-consumer) cannot be shown separately. Chemically recycled plastics represent a small share of the total post-consumer recycled plastics.

2. Pre-consumer plastics waste is mainly originating from the plastics conversion activities, and production to a lesser extent.


4. Several steps are needed between the input of plastics waste into chemical recycling and the input into polymerisation, also depending on the chemical recycling technology. A more detailed diagram is available on pages 42-43 of the “Circular Economy for Plastics in Europe” 2024 report.
Belgium

Circular Economy for Plastics
Data for 2022

Post-consumer recycled plastics in conversion
2022, in kt

<table>
<thead>
<tr>
<th>Category</th>
<th>2022, in kt</th>
<th>% of Total</th>
<th>Post-consumer recycled plastics in conversion evolution (2018-2022)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td>1,080 kt</td>
<td>7.3%</td>
<td>2022—10.0% (237 kt), 2020—7.6% (191 kt), 2018—6.5% (156 kt)</td>
</tr>
<tr>
<td><strong>Packaging</strong></td>
<td>543 kt</td>
<td>18.3%</td>
<td></td>
</tr>
<tr>
<td><strong>Building &amp; Construction</strong></td>
<td>155 kt</td>
<td>3.9%</td>
<td></td>
</tr>
<tr>
<td><strong>Automotive</strong></td>
<td>108 kt</td>
<td>2.5%</td>
<td></td>
</tr>
<tr>
<td><strong>Electrical &amp; Electronics</strong></td>
<td>90 kt</td>
<td>27.8%</td>
<td></td>
</tr>
<tr>
<td><strong>Agriculture, Farming, Gardening</strong></td>
<td>86 kt</td>
<td>2.6%</td>
<td></td>
</tr>
<tr>
<td><strong>Houseware, Leisure &amp; Sports</strong></td>
<td>318 kt</td>
<td>7.0%</td>
<td></td>
</tr>
<tr>
<td><strong>Others</strong></td>
<td>0</td>
<td>0.3%</td>
<td></td>
</tr>
</tbody>
</table>

The above data are rounded estimations.

1. For data availability reasons, mechanically and chemically recycled plastics data (post-consumer) cannot be shown separately. Chemically recycled plastics represent a small share of the total post-consumer recycled plastics.
2. For data availability reasons, bio-attributed plastics are not included in national data.
Plastic products conversion, trade and national consumption
2022, in kt

Plastics CONVERSION
(by converters)

<table>
<thead>
<tr>
<th>Category</th>
<th>Conversion (kt)</th>
<th>Export/Import</th>
<th>Export/Import %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging</td>
<td>1,080</td>
<td>1,080</td>
<td>-69%</td>
</tr>
<tr>
<td>Building &amp; Construction</td>
<td>543</td>
<td>543</td>
<td>-52%</td>
</tr>
<tr>
<td>Automotive</td>
<td>155</td>
<td>155</td>
<td>-29%</td>
</tr>
<tr>
<td>Electrical &amp; Electronics</td>
<td>108</td>
<td>108</td>
<td>-33%</td>
</tr>
<tr>
<td>Houseware, Leisure &amp; Sports</td>
<td>86</td>
<td>86</td>
<td>-31%</td>
</tr>
<tr>
<td>Agriculture, Farming &amp; Gardening</td>
<td>90</td>
<td>90</td>
<td>+5%</td>
</tr>
<tr>
<td>Others</td>
<td>318</td>
<td>318</td>
<td>+17%</td>
</tr>
</tbody>
</table>

Plastics CONSUMPTION
(by end-users)

<table>
<thead>
<tr>
<th>Category</th>
<th>Consumption (kt)</th>
<th>Net Exports (kt)</th>
<th>Net Imports (kt)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging</td>
<td>333</td>
<td>263</td>
<td>60</td>
</tr>
<tr>
<td>Building &amp; Construction</td>
<td>263</td>
<td>110</td>
<td>113</td>
</tr>
<tr>
<td>Automotive</td>
<td>100</td>
<td>60</td>
<td>218</td>
</tr>
<tr>
<td>Electrical &amp; Electronics</td>
<td>113</td>
<td>105</td>
<td>100</td>
</tr>
<tr>
<td>Houseware, Leisure &amp; Sports</td>
<td>110</td>
<td>110</td>
<td>113</td>
</tr>
<tr>
<td>Agriculture, Farming &amp; Gardening</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Others</td>
<td>218</td>
<td>218</td>
<td>218</td>
</tr>
</tbody>
</table>

The above data are rounded estimations.
1. Extra and intra EU27+3 trade.
The above data are rounded estimations. 2022 and historical waste treatment data were (re)calculated according to the new methodology under Directive (EU) 2018/852. To ensure data comparability, Plastics Europe decided to change the recycling measuring point for all types of plastics waste, not only for packaging. For more information: see pages 72 and 73 of the “Circular Economy for Plastics in Europe” 2024 report.
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1. From household, industrial, and commercial plastics packaging.
The above data are rounded estimations.

1. For data availability reasons, mechanically and chemically recycled plastics data (post-consumer) cannot be shown separately. Chemically recycled plastics represent a small share of the total post-consumer recycled plastics.

2. Pre-consumer plastics waste is mainly originating from the plastics conversion activities, and production to a lesser extent.


4. Several steps are needed between the input of plastics waste into chemical recycling and the input into polymerisation, also depending on the chemical recycling technology. A more detailed diagram is available on pages 42–43 of the “Circular Economy for Plastics in Europe” 2024 report.

The above data are rounded estimations.
Circular Economy for Plastics
Data for 2022
France

The above data are rounded estimations.

1. For data availability reasons, mechanically and chemically recycled plastics data (post-consumer) cannot be shown separately. Chemically recycled plastics represent a small share of the total post-consumer recycled plastics.

2. For data availability reasons, bio-attributed plastics are not included in national data.
Plastic products conversion, trade and national consumption
2022, in kt

Plastics CONVERSION
(by converters)

Plastics CONSUMPTION
(by end-users)

---

**Plastics CONVERSION**

- **Packaging**: 1,137 kt
- **Building & Construction**: 410 kt
- **Automotive**: 274 kt
- **Electrical & Electronics**: 187 kt
- **Houseware, Leisure & Sports**: 167 kt
- **Agriculture, Farming & Gardening**: 702 kt

**Export/Import**

- **NET EXPORTS**: +10%
- **NET IMPORTS**: +11%

**Plastics CONSUMPTION**

- **Agriculture, Farming & Gardening**: 1,261 kt
- **Houseware, Leisure & Sports**: 479 kt
- **Electrical & Electronics**: 543 kt
- **Automotive**: 366 kt
- **Building & Construction**: 207 kt
- **Packaging**: 1,153 kt

---

The above data are rounded estimations.
1. Extra and intra EU27+3 trade.
Collection and treatment of post-consumer plastics waste

2022, in kt

<table>
<thead>
<tr>
<th>Waste Collection Method</th>
<th>Recycling</th>
<th>Energy Recovery</th>
<th>Landfill</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIXED</td>
<td>1.7%</td>
<td>60.1%</td>
<td>38.2%</td>
</tr>
<tr>
<td>SEPARATE</td>
<td>45.3%</td>
<td>40.2%</td>
<td>14.5%</td>
</tr>
</tbody>
</table>

French plastics waste recycling rates are 26.6% higher when collected separately, compared to mixed collection streams.

Post-consumer plastics waste treatment evolution

2006-2022, in kt

- Recycling: 28.0%
- Energy Recovery: 20.5%
- Landfill: 51.5%

The above data are rounded estimations. 2022 and historical waste treatment data were recalculated according to the new methodology under Directive (EU) 2018/852. To ensure data comparability, Plastics Europe decided to change the recycling measuring point for all types of plastics waste, not only for packaging. For more information, see pages 72 and 73 of the "Circular Economy for Plastics in Europe" 2024 report.
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1. For data availability reasons, mechanically and chemically recycled plastics data (post-consumer) cannot be shown separately. Chemically recycled plastics represent a small share of the total post-consumer recycled plastics.

2. Pre-consumer plastics waste is mainly originating from the plastics conversion activities, and production to a lesser extent.

3. Including 592 kt recycling of German plastics waste abroad (intra-EU27+3 included). German plastics waste export surplus for intra and extra EU27+3: 743 kt estimated export in 2022, and 521 kt estimated plastics waste import.

4. Several steps are needed between the input of plastics waste into chemical recycling and the input into polymerisation, also depending on the chemical recycling technology. A more detailed diagram is available on pages 42-43 of the “Circular Economy for Plastics in Europe” 2024 report.

The above data are rounded estimations.
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1. For data availability reasons, mechanically and chemically recycled plastics data (post-consumer) cannot be shown separately. Chemically recycled plastics represent a small share of the total post-consumer recycled plastics.
2. For data availability reasons, bio-attributed plastics are not included in national data.
Plastic products conversion, trade and national consumption
2022, in kt

Plastics CONVERSION
(by converters)

- Packaging: 4,436 kt (12,709 kt)
- Building & Construction: 3,127 kt
- Automotive: 1,281 kt
- Electrical & Electronics: 791 kt
- Agriculture, Farming & Gardening: 539 kt
- Houseware, Leisure & Sports: 417 kt
- Others: 2,118 kt

Plastics CONSUMPTION
(by end-users)

- NET EXPORTS: -29%
- NET IMPORTS: +2%

- Packaging: 3,157 kt (11,170 kt)
- Building & Construction: 3,177 kt
- Automotive: 1,271 kt
- Electrical & Electronics: 741 kt
- Agriculture, Farming & Gardening: 489 kt
- Houseware, Leisure & Sports: 317 kt
- Others: 2,018 kt

The above data are rounded estimations.
1. Extra and intra EU27+3 trade.
The above data are rounded estimations. 2022 and historical waste treatment data were (re)calculated according to the new methodology under Directive (EU) 2018/852. To ensure data comparability, Plastics Europe decided to change the recycling measuring point for all types of plastics waste, not only for packaging. For more information: see pages 72 and 73 of the “Circular Economy for Plastics in Europe” 2024 report.
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---

2018-2022 evolution

- Fossil-based
- Mechanically recycled (pre-consumer)
- Mechanically & Chemically recycled (post-consumer)
- Bio-based

**Italy**

**Circular Economy for Plastics**

**Data for 2022**
The above data are rounded estimations.

1. For data availability reasons, mechanically and chemically recycled plastics data (post-consumer) cannot be shown separately. Chemically recycled plastics represent a small share of the total post-consumer recycled plastics.

2. For data availability reasons, bio-attributed plastics are not included in national data.
Plastic products conversion, trade and national consumption
2022, in kt

The above data are rounded estimations.

1. Extra and intra EU27+3 trade.
Circular Economy for Plastics
Data for 2022
Italy

Collection and treatment of post-consumer plastics waste
2022, in kt

- **3,940 kt**
  - **1,876 kt** via MIXED waste collection
    - 3.3% Recycling
    - 54.8% Energy recovery
    - 41.9% Landfill
  - **2,064 kt** via SEPARATE waste collection
    - 54.6% Recycling
    - 35.9% Energy recovery
    - 9.5% Landfill

Italian plastics waste recycling rates are x16.5 higher when collected separately, compared to mixed collection streams.

Post-consumer plastics waste treatment evolution
2006-2022, in kt

- **Landfill**
  - 2006: 2,013 kt
  - 2022: 1,819 kt
  - Change: -17%

- **Energy recovery**
  - 2006: 550 kt
  - 2022: 1,189 kt
  - Change: +123%

- **Recycling**
  - 2006: 602 kt
  - 2022: 959 kt
  - Change: +116%

- **Energy**
  - 2006: 30.2%
  - 2022: 24.9%

Italian plastics waste recycling rates are x16.5 higher when collected separately, compared to mixed collection streams.

The above data are rounded estimations.

2022 and historical waste treatment data were (re)calculated according to the new methodology under Directive (EU) 2018/852. To ensure data comparability, Plastics Europe decided to change the recycling measuring point for all types of plastics waste, not only for packaging. For more information, see pages 72 and 73 of the “Circular Economy for Plastics in Europe” 2024 report.
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5. For data availability reasons, only a 2017–2022 comparison for Dutch waste figures can be made.

The above data are rounded estimations.

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**Netherlands Circular Economy for Plastics Data for 2022**

- **Plastics production &/or compounding**
  - Overall plastics production: 6,194 kt (+6.6%)
  - Conversion to plastic products & parts by companies: 2,295 kt (-5.0%)

- **Pre-consumer plastics waste**
  - 417 kt (+38.6%)

- **Waste collection & sorting**
  - 1,103 kt (+17.7%)

- **Reuse, repair & refurbished**
  - 1,947 kt (-2.4%)

- **Products in use (≤1 to >50 years)**
  - 6,742 kt (88.8%)

- **Consumption of plastic products & parts by end-users**
  - 6,194 kt (88.8%)

- **Export/import**
  - Export/Import: 2,295 kt

---

**Energy Recovery**
- 684 kt (+1.2%)
- Landfill
- 2 kt (-50.0%)
The above data are rounded estimations.

1. For data availability reasons, mechanically and chemically recycled plastics data (post-consumer) cannot be shown separately. Chemically recycled plastics represent a small share of the total post-consumer recycled plastics.

2. For data availability reasons, bio-attributed plastics are not included in national data.
Plastic products conversion, trade and national consumption
2022, in kt

Plastics CONVERSION (by converters)
- Packaging: 2,295 kt
  - Export/Import: 944 kt
- Building & Construction: 600 kt
- Automotive: 130 kt
- Electrical & Electronics: 112 kt
- Houseware, Leisure & Sports: 80 kt
- Agriculture, Farming & Gardening: 94 kt
- Others: 335 kt

Plastics CONSUMPTION (by end-users)
- Packaging: 1,947 kt
  - Export/Import: 627 kt
- Building & Construction: 539 kt
- Automotive: 136 kt
- Electrical & Electronics: 133 kt
- Houseware, Leisure & Sports: 100 kt
- Agriculture, Farming & Gardening: 84 kt
- Others: 329 kt

The above data are rounded estimations.
1. Extra and intra EU27+3 trade.
Netherlands Circular Economy for Plastics Data for 2022

Collection and treatment of post-consumer plastics waste
2022, in kt

Dutch plastics waste recycling rates are x4.8 higher when collected separately, compared to mixed collection streams.

Collection and treatment of post-consumer plastics waste
2022, in kt

<table>
<thead>
<tr>
<th>Waste collection</th>
<th>Recycling</th>
<th>Energy recovery</th>
<th>Landfill</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIXED waste collection</td>
<td>11.8%</td>
<td>87.8%</td>
<td>0.4%</td>
</tr>
<tr>
<td>SEPARATE waste collection</td>
<td>56.2%</td>
<td>43.8%</td>
<td>0.4%</td>
</tr>
</tbody>
</table>

Post-consumer plastics waste treatment evolution
2006-2022, in kt

<table>
<thead>
<tr>
<th>Year</th>
<th>Energy Recovery</th>
<th>Recycling</th>
<th>Landfill</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>564</td>
<td>144</td>
<td>417</td>
</tr>
<tr>
<td>2008</td>
<td>618</td>
<td>201</td>
<td>417</td>
</tr>
<tr>
<td>2010</td>
<td>665</td>
<td>231</td>
<td>417</td>
</tr>
<tr>
<td>2012</td>
<td>580</td>
<td>227</td>
<td>417</td>
</tr>
<tr>
<td>2014</td>
<td>618</td>
<td>230</td>
<td>417</td>
</tr>
<tr>
<td>2016</td>
<td>636</td>
<td>256</td>
<td>417</td>
</tr>
<tr>
<td>2017</td>
<td>676</td>
<td>417</td>
<td>417</td>
</tr>
<tr>
<td>2020</td>
<td>638</td>
<td>417</td>
<td>417</td>
</tr>
<tr>
<td>2022</td>
<td>684</td>
<td>417</td>
<td>417</td>
</tr>
</tbody>
</table>

Waste collection evolution
2006-2022

2006: 851 kt
2022: 1,103 kt

The above data are rounded estimations.

2022 and historical waste treatment data were recalculated according to the new methodology under Directive (EU) 2018/852. To ensure data comparability, Plastics Europe decided to change the recycling measuring point for all types of plastics waste, not only for packaging. For more information, see pages 72 and 73 of the “Circular Economy for Plastics in Europe” 2024 report.

1. For data availability reasons, Dutch waste figures cannot be shown for 2018, but only for 2017.
Circular Economy for Plastics
Data for 2022
Netherlands

The above data are rounded estimations.

2022 and historical waste treatment data were (re)calculated according to the new methodology under Directive (EU) 2018/852. To ensure data comparability, Plastics Europe decided to change the recycling measuring point for all types of plastics waste, not only for packaging. For more information, see pages 72 and 73 of the “Circular Economy for Plastics in Europe” 2024 report.

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4. Several steps are needed between the input of plastics waste into chemical recycling and the input into polymerisation, also depending on the chemical recycling technology. A more detailed diagram is available on pages 42-43 of the "Circular Economy for Plastics in Europe" 2024 report.
Plastics production
2022

- 2,365 kt in 2022
- 69.3%
- 19.2%
- 11.5%

Plastics conversion
2022

- 3,896 kt in 2022
- 83.6%
- 10.0%
- 0.2%

Post-consumer recycled plastics in conversion
2022, in kt

<table>
<thead>
<tr>
<th>Category</th>
<th>kt</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>1,374</td>
<td>6.5% (90 kt)</td>
</tr>
<tr>
<td>PACKAGING</td>
<td>1,054</td>
<td>19.3% (203 kt)</td>
</tr>
<tr>
<td>BUILDING &amp; CONSTRUCTION</td>
<td>318</td>
<td>3.1% (10 kt)</td>
</tr>
<tr>
<td>AUTOMOTIVE</td>
<td>257</td>
<td>3.5% (9 kt)</td>
</tr>
<tr>
<td>ELECTRICAL &amp; ELECTRONICS</td>
<td>161</td>
<td>3.1% (5 kt)</td>
</tr>
<tr>
<td>HOUSEWARE, LEISURE &amp; SPORTS</td>
<td>143</td>
<td>23.0% (33 kt)</td>
</tr>
<tr>
<td>AGRICULTURE, FARMING, GARDENING</td>
<td>588</td>
<td>6.8% (40 kt)</td>
</tr>
<tr>
<td>OTHERS</td>
<td>588</td>
<td>6.8% (40 kt)</td>
</tr>
</tbody>
</table>

Post-consumer recycled plastics in conversion evolution
2018–2022

- 2022: 10.0% (390 kt)
- 2020: 9.3% (382 kt)
- 2018: 7.9% (302 kt)

The above data are rounded estimations.
1. For data availability reasons, mechanically and chemically recycled plastics data (post-consumer) cannot be shown separately. Chemically recycled plastics represent a small share of the total post-consumer recycled plastics.
2. For data availability reasons, bio-attributed plastics are not included in national data.
**Poland**

**Circular Economy for Plastics**

Data for 2022

**Plastic products conversion, trade and national consumption**

2022, in kt

The above data are rounded estimations.

1. Extra and intra EU27+3 trade.

### Plastics CONVERSION (by converters)

- **Packaging**
  - Export/Import: 318 kt
  - NET EXPORTS: -14%
  - NET IMPORTS: +11%

- **Building & Construction**
  - Export/Import: 257 kt
  - NET EXPORTS: -44%
  - NET IMPORTS: +13%

- **Automotive**
  - Export/Import: 161 kt
  - NET EXPORTS: -12%
  - NET IMPORTS: +18%

- **Electrical & Electronics**
  - Export/Import: 143 kt
  - NET EXPORTS: -11%
  - NET IMPORTS: +11%

- **Houseware, Leisure & Sports**
  - Export/Import: 588 kt
  - NET EXPORTS: -12%
  - NET IMPORTS: +11%

- **Agriculture, Farming & Gardening**
  - Export/Import: 1,374 kt
  - NET EXPORTS: -14%
  - NET IMPORTS: +13%

- **Others**
  - Export/Import: 1,054 kt
  - NET EXPORTS: -44%
  - NET IMPORTS: +13%

### Plastics CONSUMPTION (by end-users)

- **Packaging**
  - Export/Import: 1,179 kt
  - NET EXPORTS: +13%
  - NET IMPORTS: +11%

- **Building & Construction**
  - Export/Import: 594 kt
  - NET EXPORTS: +13%
  - NET IMPORTS: +11%

- **Automotive**
  - Export/Import: 358 kt
  - NET EXPORTS: +13%
  - NET IMPORTS: +11%

- **Electrical & Electronics**
  - Export/Import: 229 kt
  - NET EXPORTS: +13%
  - NET IMPORTS: +11%

- **Houseware, Leisure & Sports**
  - Export/Import: 191 kt
  - NET EXPORTS: +13%
  - NET IMPORTS: +11%

- **Agriculture, Farming & Gardening**
  - Export/Import: 159 kt
  - NET EXPORTS: +13%
  - NET IMPORTS: +11%

- **Others**
  - Export/Import: 519 kt
  - NET EXPORTS: +13%
  - NET IMPORTS: +11%
The above data are rounded estimations. 2022 and historical waste treatment data were (re)calculated according to the new methodology under Directive (EU) 2018/852. To ensure data comparability, Plastics Europe decided to change the recycling measuring point for all types of plastics waste, not only for packaging. For more information, see pages 72 and 73 of the “Circular Economy for Plastics in Europe” 2024 report.
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4. Several steps are needed between the input of plastics waste into chemical recycling and the input into polymerisation, also depending on the chemical recycling technology. A more detailed diagram is available on pages 42–43 of the “Circular Economy for Plastics in Europe” 2024 report.
### Circular Economy for Plastics

#### Data for 2022

**Spain**

**Plastics production**

- **2022**: 5,284 kt in 2022
  - 20.1% (1,057 kt)
  - 1.5% (84 kt)
  - 0.1% (40 kt)
- **2022, in kt**
  - 78.3%

**Plastics conversion**

- **2022**: 4,411 kt in 2022
  - 22.3% (984 kt)
  - 1.7% (77 kt)
  - 0.5% (22 kt)
- **2022, in kt**
  - 75.5%

#### Post-consumer recycled plastics in conversion

- **Total**: 1,871 kt
  - **22.1%** (413 kt)

### Post-consumer recycled plastics in conversion evolution

<table>
<thead>
<tr>
<th>Year</th>
<th>Mechanically &amp; chemically recycled (post-consumer)</th>
<th>Fossil-based</th>
<th>Bio-based</th>
<th>Other</th>
<th>Bio-based &amp; mechanically &amp; chemically recycled (post-consumer)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2022</td>
<td>22.3% (984 kt)</td>
<td>78.3%</td>
<td>0.4%</td>
<td>0.8%</td>
<td>11.1% (24 kt)</td>
</tr>
<tr>
<td>2020</td>
<td>10.0% (406 kt)</td>
<td>85.9%</td>
<td>0.8%</td>
<td>0.3%</td>
<td>11.1% (24 kt)</td>
</tr>
<tr>
<td>2018</td>
<td>7.2% (303 kt)</td>
<td>90.3%</td>
<td>0.4%</td>
<td>2.0%</td>
<td>11.1% (24 kt)</td>
</tr>
</tbody>
</table>

1. For data availability reasons, mechanically and chemically recycled plastics data (post-consumer) cannot be shown separately. Chemically recycled plastics represent a small share of the total post-consumer recycled plastics.
2. For data availability reasons, bio-attributed plastics are not included in national data.

The above data are rounded estimations.
Circular Economy for Plastics
Data for 2022

Spain

Plastic products conversion, trade and national consumption
2022, in kt

Plastics CONVERSION
(by converters)

**4,411 kt**

- **Packaging**: 1,871 kt
- **Building & Construction**: 824 kt
- **Agriculture, Farming & Gardening**: 348 kt
- **Automotive**: 333 kt
- **Houseware, Leisure & Sports**: 217 kt
- **Electrical & Electronics**: 216 kt
- **Others**: 602 kt

Plastics CONSUMPTION
(by end-users)

**4,504 kt**

- **Electrical & Electronics**: 1,800 kt
- **Automotive**: 781 kt
- **Houseware, Leisure & Sports**: 380 kt
- **Building & Construction**: 274 kt
- **Packaging**: 268 kt
- **Others**: 267 kt
- **Agriculture, Farming & Gardening**: 734 kt

NET EXPORTS
- **Packaging**: -4%
- **Building & Construction**: -5%
- **Agriculture, Farming & Gardening**: +9%
- **Automotive**: +24%
- **Houseware, Leisure & Sports**: +24%
- **Packaging**: +22%

The above data are rounded estimations.

1. Extra and intra EU27+3 trade.
Collection and treatment of post-consumer plastics waste
2022, in kt

- **2,920 kt**
  - **1,357 kt** via MIXED waste collection
    - **8.0%** Recycling
    - **24.7%** Energy recovery
    - **67.3%** Landfill
  - **1,563 kt** via SEPARATE waste collection
    - **64.7%** Recycling
    - **21.6%** Energy recovery
    - **13.7%** Landfill

Spanish plastics waste recycling rates are x8.5 higher when collected separately, compared to mixed collection streams.

Post-consumer plastics waste treatment evolution
2006-2022, in kt

- Recycling: 39%
- Energy Recovery: 38%
- Landfill: 23%
- **2,920 kt** in 2022

Waste collection evolution
2006-2022

- **2,465 kt** in 2006
- **2,920 kt** in 2022
- +19% growth

The above data are rounded estimations.

2022 and historical waste treatment data were (re)calculated according to the new methodology under Directive (EU) 2018/852. To ensure data comparability, Plastics Europe decided to change the recycling measuring point for all types of plastics waste, not only for packaging. For more information: see pages 72 and 73 of the “Circular Economy for Plastics in Europe” 2024 report.
The above data are rounded estimations.

2022 and historical waste treatment data were (re)calkulated according to the new methodology under Directive (EU) 2018/852. To ensure data comparability, Plastics Europe decided to change the recycling measuring point for all types of plastics waste, not only for packaging. For more information see pages 72 and 73 of the "Circular Economy for Plastics in Europe" 2024 report.

1. From household, industrial, and commercial plastics packaging.
The above data are rounded estimations.

1. For data availability reasons, mechanically and chemically recycled plastics data (post-consumer) cannot be shown separately. Chemically recycled plastics represent a small share of the total post-consumer recycled plastics.

2. Pre-consumer plastics waste is mainly originating from the plastics conversion activities, and production to a lesser extent.

3. Including 805 kt recycling of UK plastics waste abroad (intra-EU27+3 included). UK plastics waste export surplus for intra and extra EU27+3. 750 kt estimated export in 2022, and 50 kt estimated plastics waste import.

4. Several steps are needed between the input of plastics waste into chemical recycling and the input into polymerisation, also depending on the chemical recycling technology. A more detailed diagram is available on pages 42–43 of the “Circular Economy for Plastics in Europe” 2024 report.
Circular Economy for Plastics
Data for 2022
United Kingdom

Plastics production
2022
- Total: 2,574 kt
  - Fossil-based: 22.4%
  - Mechanically & chemically recycled (post-consumer): 0.1%
  - Bio-based: 0.1%

Plastics conversion
2022
- Total: 3,688 kt
  - Fossil-based: 80.0%
  - Mechanically & chemically recycled (post-consumer): 14.0%
  - Mechanically recycled (pre-consumer): 5.7%
  - Bio-based: 0.3%

Post-consumer recycled plastics in conversion
2022, in kt
- Total: 1,452 kt
  - Packaging: 989 kt (22.8%)
  - Building & Construction: 220 kt (6.4%)
  - Electrical & Electronics: 217 kt (6.5%)
  - Automotive: 140 kt (34.2%)
  - Agriculture, Farming, Gardening: 134 kt (5.2%)
  - Houseware, Leisure & Sports: 536 kt (4.5%)

Post-consumer recycled plastics in conversion evolution
2018–2022
- 2022: 14.0% (516 kt)
- 2020: 7.2% (266 kt)
- 2018: 6.9% (275 kt)

The above data are rounded estimations.
1. For data availability reasons, mechanically and chemically recycled plastics data (post-consumer) cannot be shown separately. Chemically recycled plastics represent a small share of the total post-consumer recycled plastics.
2. For data availability reasons, bio-attributed plastics are not included in national data.
**Plastic products conversion, trade and national consumption**

2022, in kt

<table>
<thead>
<tr>
<th>Category</th>
<th>Conversion (by converters)</th>
<th>Consumption (by end-users)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastics</td>
<td>3,688 kt</td>
<td>5,815 kt</td>
</tr>
<tr>
<td>Packaging</td>
<td>1,452 kt</td>
<td>2,271 kt</td>
</tr>
<tr>
<td>Building &amp; Construction</td>
<td>989 kt</td>
<td>1,199 kt</td>
</tr>
<tr>
<td>Automotive</td>
<td>217 kt</td>
<td>417 kt</td>
</tr>
<tr>
<td>Electrical &amp; Electronics</td>
<td>220 kt</td>
<td>435 kt</td>
</tr>
<tr>
<td>Houseware, Leisure &amp; Sports</td>
<td>134 kt</td>
<td>254 kt</td>
</tr>
<tr>
<td>Agriculture, Farming &amp; Gardening</td>
<td>140 kt</td>
<td>221 kt</td>
</tr>
<tr>
<td>Others</td>
<td>536 kt</td>
<td>1,019 kt</td>
</tr>
</tbody>
</table>

**NET EXPORTS**

- **Agriculture, Farming & Gardening**: +56%
- **Houseware, Leisure & Sports**: +21%
- **Electrical & Electronics**: +92%
- **Automotive**: +97%
- **Building & Construction**: +90%
- **Packaging**: +57%
- **Others**: +90%

**NET IMPORTS**

- **Agriculture, Farming & Gardening**: +90%
- **Houseware, Leisure & Sports**: +97%
- **Electrical & Electronics**: +90%
- **Automotive**: +90%
- **Packaging**: +92%
- **Others**: +92%

The above data are rounded estimations.

1. Extra and intra EU27+3 trade.
The above data are rounded estimations. 2022 and historical waste treatment data were (re)calculated according to the new methodology under Directive (EU) 2018/852. To ensure data comparability, Plastics Europe decided to change the recycling measuring point for all types of plastics waste, not only for packaging. For more information, see pages 72 and 73 of the “Circular Economy for Plastics in Europe” 2024 report.
The above data are rounded estimations.

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1. From household, industrial, and commercial plastics packaging.