

Mineral Industry Surveys

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TIN IN OCTOBER 2022

Domestic reported consumption of primary refined tin in October 2022 was 1,490 metric tons (t), a slight decrease from the reported consumption in September 2022 and a 3% decrease from that in October 2021. Year to date domestic reported consumption of primary refined tin was 15,100 t, a slight decrease when compared with that of the same period of 2021. Apparent consumption of refined tin in October 2022 was 3,910 t, a 47% increase from that in September 2022 and an 8% increase from that in October 2021. Year to date apparent consumption of refined tin was 35,800 t, a 5% decrease from that in the same period of 2021 (table 1).

Prices

The S&P Global Platts Metals Week average New York dealer price of Grade A tin for October 2022 was \$9.72 per pound, an 8% decrease from that in September 2022, and a 49% decrease from that in October 2021. The average London Metal Exchange (LME) cash price of Grade A tin for October 2022 was \$8.80 per pound, a 9% decrease from that in September 2022, and a 49% decrease from that in October 2021 (fig. 1, table 2).

October 2022 were Peru (45%), Bolivia (20%), Brazil (16%), and Indonesia (10%). Year to date refined tin imports were 28,400 t, a 5% decrease from those in the same period of 2021. Year to date leading sources of refined tin were Bolivia (32%), Peru (28%), Indonesia (17%), and Brazil (13%). Total refined tin exports in October 2022 were 151 t, an increase of 74 t from those in September 2022 and increase of 1 t from those in October 2021. Year to date refined tin exports were 1,210 t, a decrease of 1 t from those in the same period of 2021 (table 4).

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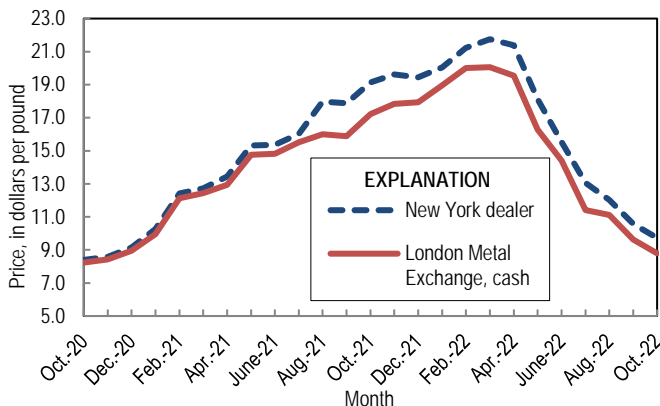


Figure 1. Average monthly prices for Grade A tin from October 2020 through October 2022. Source: S&P Global Platts Metals Week.

U.S. Trade

Total refined tin imports in October 2022 were 3,200 t, a 70% increase from those in September 2022 and a 9% increase from those in October 2021. The leading sources of refined tin in

TABLE 1
SALIENT TIN STATISTICS¹

(Metric tons, unless otherwise noted)

| | 2022 | | | |
|--|-------------------|-----------|---------|----------------------------------|
| | 2021 ^P | September | October | January– October ² |
| Production, secondary ^{e,3} | 10,300 | 858 | 858 | 8,580 |
| Consumption, reported: | | | | |
| Primary | 18,400 | 1,520 | 1,490 | 15,100 |
| Secondary | 680 | 45 | 32 | 268 |
| Consumption, apparent ⁴ | 47,100 | 2,660 | 3,910 | 35,800 |
| Imports for consumption, refined tin | 38,100 | 1,880 | 3,200 | 28,400 |
| Exports, refined tin | 1,290 | 77 | 151 | 1,210 |
| Stocks at end of period | 5,050 | 4,740 | 4,770 | 4,770 |
| Prices (average cents per pound): ⁵ | | | | |
| Metals Week New York dealer, Grade A | 1,580.06 | 1,057.78 | 971.56 | 1,634.51 |
| London Metal Exchange cash | 1,478.14 | 963.59 | 879.56 | 1,502.09 |

^eEstimated. ^PPreliminary.

¹Data are rounded to no more than three significant digits, except prices.

²May include revisions to previous published data.

³Includes tin recovered from alloys and tinplate. The detinning of tinplate (coated steel) yields only a small part of the total.

⁴Defined as secondary production plus imports minus exports.

⁵Source: S&P Global Platts Metals Week.

TABLE 2
AVERAGE TIN PRICES

(Cents per pound)

| Period | Metals Week New York dealer, Grade A | London Metal Exchange cash |
|------------------|--|-------------------------------------|
| 2021: | | |
| October | 1,914.25 | 1,721.01 |
| November | 1,961.25 | 1,782.94 |
| December | 1,944.29 | 1,794.01 |
| January–December | 1,580.06 | 1,478.14 |
| 2022: | | |
| January | 2,004.89 | 1,895.55 |
| February | 2,123.63 | 2,000.53 |
| March | 2,175.11 | 2,005.83 |
| April | 2,139.00 | 1,954.97 |
| May | 1,812.78 | 1,629.00 |
| June | 1,552.75 | 1,440.15 |
| July | 1,305.75 | 1,140.64 |
| August | 1,201.89 | 1,111.05 |
| September | 1,057.78 | 963.59 |
| October | 971.56 | 879.56 |
| January–October | 1,634.51 | 1,502.09 |

Source: S&P Global Platts Metals Week.

TABLE 3
TINPLATE PRODUCTION AND SHIPMENTS IN THE UNITED STATES¹

(Metric tons, unless otherwise noted)

| Period | Tinplate (all forms) | | | |
|------------------|----------------------|-------------|---|--|
| | Production | | | Shipments ² (gross weight) |
| | Gross weight | Tin content | Tin per metric ton of plate (kilograms) | |
| 2021: | | | | |
| October | 40,800 | 457 | 11.2 | 95,000 |
| November | 30,700 | 416 | 13.5 | 96,100 |
| December | 39,300 | 440 | 11.2 | 109,000 |
| January–December | 470,000 | 5,350 | 11.4 | 1,070,000 |
| 2022: | | | | |
| January | 37,100 | 439 | 11.8 | 72,400 |
| February | 33,600 | 416 | 12.4 | 72,900 |
| March | 41,000 | 443 | 10.8 | 76,300 |
| April | 40,300 | 380 | 9.4 | 85,900 |
| May | 44,900 | 449 | 10.0 | 86,100 |
| June | 42,400 | 443 | 10.4 | 88,100 |
| July | 42,100 | 443 | 10.5 | 71,100 |
| August | 41,800 | 430 | 10.3 | 78,000 |
| September | 36,200 | 420 | 11.6 | 71,600 |
| October | 32,700 | 429 | 13.1 | 67,300 |
| January–October | 392,000 | 4,290 | 11.0 | 770,000 |

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Source: American Iron and Steel Institute monthly publication.

TABLE 4
U.S. TIN IMPORTS FOR CONSUMPTION AND EXPORTS¹

(Metric tons, gross weight)

| Country/locality, or product | 2022 | | | |
|--|--------------------|--------------|--------------|----------------------------------|
| | 2021 ^P | September | October | January– October ² |
| Imports: | | | | |
| Refined tin: | | | | |
| Belgium | 323 | 17 | 58 | 312 |
| Bolivia | 6,830 | 643 | 644 | 8,970 |
| Brazil | 3,470 | 324 | 500 | 3,640 |
| Indonesia | 8,410 | 150 | 316 | 4,710 |
| Malaysia | 3,870 | 10 | 10 | 828 |
| Peru | 11,400 | 584 | 1,440 | 8,100 |
| Poland | 1,290 | 90 | 180 | 1,160 |
| Other | 2,530 ^r | 60 | 50 | 728 |
| Total | 38,100 | 1,880 | 3,200 | 28,400 |
| Other: | | | | |
| Alloys | 1,110 | 67 | 83 | 620 |
| Bars, rods, profiles, and wire | 1,770 | 131 | 137 | 1,300 |
| Flakes and powders | 300 | 9 | 11 | 291 |
| Foil | 110 | 33 | 12 | 75 |
| Plates, sheets, strip | 38 | 2 | (3) | 6 |
| Tubes, pipes, and tube and pipe fittings | 38 | 1 | 2 | 17 |
| Waste and scrap | 18,600 | 767 | 1,040 | 9,580 |
| Miscellaneous ⁴ | 1,560 | 136 | 107 | 1,810 |
| Exports: | | | | |
| Refined tin | 1,290 | 77 | 151 | 1,210 |
| Alloys | 630 | 60 | 138 | 489 |

^PPreliminary. ^rRevised.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²May include revisions to previous published data.

³Less than ½ unit.

⁴Includes other articles of tin not elsewhere specified or included (HTS code 8007.00.5000).

Source: U.S. Census Bureau.

TABLE 5
REPORTED CONSUMPTION OF TIN IN THE UNITED STATES, BY FINISHED PRODUCT¹

(Metric tons of contained tin)

| Product | 2022 | | | | | | | |
|-------------------------------------|-------------------|-----------|-----------|-------|---------|-----------|-------|----------------------------------|
| | 2021 ^P | September | | | October | | | January– October ² |
| | | Primary | Secondary | Total | Primary | Secondary | Total | |
| Alloys (miscellaneous) ³ | 1,910 | 162 | -- | 162 | 154 | -- | 154 | 1,570 |
| Babbitt | 96 | 12 | W | 12 | 13 | W | 13 | 85 |
| Bronze and brass | 936 | 46 | 26 | 72 | 50 | 14 | 64 | 675 |
| Chemicals | 3,140 | 218 | -- | 218 | 193 | -- | 193 | 2,410 |
| Solder | 1,650 | 160 | W | 160 | 154 | W | 154 | 1,300 |
| Tinning | 235 | 19 | -- | 19 | 19 | -- | 19 | 194 |
| Tinplate ⁴ | 5,370 | 420 | W | 420 | 429 | W | 429 | 4,290 |
| Other ⁵ | 5,760 | 479 | 20 | 499 | 480 | 19 | 501 | 4,900 |
| Total reported | 19,100 | 1,520 | 45 | 1,560 | 1,490 | 32 | 1,530 | 15,400 |

^PPreliminary. W Withheld to avoid disclosing company proprietary data; included with "Other." -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²May include revisions to previous published data.

³Includes terne metal.

⁴Includes secondary pig tin and tin components of tinplating chemical solutions.

⁵Includes bar tin and anodes, britannia metal, collapsible tubes and foil, jewelers' metal, pewter, tin powder, type metal, and white metal.