

Mineral Industry Surveys

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TIN IN SEPTEMBER 2022

Domestic reported consumption of primary refined tin in September 2022 was 1,520 metric tons (t), a slight increase from the reported consumption in August 2022 and essentially unchanged from that in September 2021. Year to date domestic reported consumption of primary refined tin was 13,700 t, essentially unchanged when compared with that of the same period of 2021. Apparent consumption of refined tin in September 2022 was 2,660 t, a 3% decrease from that in August 2022 and a 54% decrease from that in September 2021. Year to date apparent consumption of refined tin was 31,900 t, a 6% decrease from that in the same period of 2021 (table 1).

tin in September 2022 were Bolivia (34%), Peru (31%), Brazil (17%), Indonesia (8%), and Poland (5%). Year to date refined tin imports were 25,300 t, a 7% decrease from those in the same period of 2021. Year to date leading sources of refined tin were Bolivia (33%), Peru (26%), Indonesia (17%), and Brazil (12%). Total refined tin exports in September 2022 were 77 t, a decrease of 22 t from those in August 2022 and decrease of 122 t from those in September 2021. Year to date refined tin exports were 1,060 t, a decrease of 1 t from those in the same period of 2021 (table 4).

Prices

The S&P Global Platts Metals Week average New York dealer price of Grade A tin for September 2022 was \$10.58 per pound, a 12% decrease from that in August 2022, and a 41% decrease from that in September 2021. The average London Metal Exchange (LME) cash price of Grade A tin for September 2022 was \$9.64 per pound, a 13% decrease from that in August 2022, and a 39% decrease from that in September 2021 (fig. 1, table 2).

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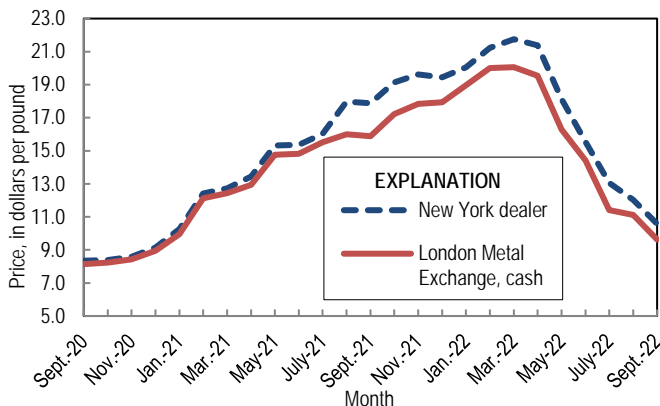


Figure 1. Average monthly prices for Grade A tin from September 2020 through September 2022. Source: S&P Global Platts Metals Week.

U.S. Trade

Total refined tin imports in September 2022 were 1,880 t, a 5% decrease from those in August 2022 and a 64% decrease from those in September 2021. The leading sources of refined

TABLE 1
SALIENT TIN STATISTICS¹

(Metric tons, unless otherwise noted)

	2022			
	2021 ^P	August	September	January– September ²
Production, secondary ^{e, 3}	10,300	858	858	7,720
Consumption, reported:				
Primary	18,400	1,490	1,520	13,700
Secondary	680	36	45	236
Consumption, apparent ⁴	47,100	2,730	2,660	31,900
Imports for consumption, refined tin	38,100	1,970	1,880	25,300
Exports, refined tin	1,290	99	77	1,060
Stocks at end of period	5,050	4,700	4,740	4,740
Prices (average cents per pound): ⁵				
Metals Week New York dealer, Grade A	1,580.06	1,201.89	1,057.78	1,708.18
London Metal Exchange cash	1,478.14	1,111.05	963.59	1,571.26

^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:		
September	1,788.22	1,589.13
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
January–September	1,708.18	1,571.26

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:				
September	36,300	433	11.9	90,900
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
January–September	359,000	3,860	10.8	703,000

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	August	September	January–September ²
Imports:				
Refined tin:				
Belgium	323	35	17	254
Bolivia	6,830	596	643	8,320
Brazil	3,470	274	324	3,140
Indonesia	8,410	280	150	4,400
Malaysia	3,870	--	10	818
Peru	11,400	640	584	6,660
Poland	1,290	112	90	985
Thailand	287	25	--	205
Other	2,240 ^r	9	60	473
Total	38,100	1,970	1,880	25,300
Other:				
Alloys	1,110	36	67	537
Bars, rods, profiles, and wire	1,770	135	131	1,160
Flakes and powders	300	12	9	279
Foil	110	(3)	33	63
Plates, sheets, strip	38	(3)	2	6
Tubes, pipes, and tube and pipe fittings	38	(3)	1	15
Waste and scrap	18,600	872	767	8,540
Miscellaneous ⁴	1,560	171	136	1,700
Exports:				
Refined tin	1,290	99	77	1,060
Alloys	630	34	60	351

^rRevised. ^PPreliminary. -- Zero.

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	August			September			January– September ²
		Primary	Secondary	Total	Primary	Secondary	Total	
Alloys (miscellaneous) ³	1,910	155	--	155	162	--	162	1,410
Babbitt	96	7	W	7	12	W	12	71
Bronze and brass	936	48	22	70	46	26	72	611
Chemicals	3,140	236	--	236	218	--	218	2,210
Solder	1,650	116	W	116	160	W	160	1,150
Tinning	235	19	--	19	19	--	19	175
Tinplate ⁴	5,370	430	W	430	420	W	420	3,860
Other ⁵	5,760	479	14	493	479	20	499	4,400
Total reported	19,100	1,490	36	1,530	1,520	45	1,560	13,900

^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.