

Mineral Industry Surveys

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TIN IN AUGUST 2022

Domestic reported consumption of primary refined tin in August 2022 was 1,490 metric tons (t), essentially unchanged from the revised consumption in July 2022 and a slight increase from that in August 2021. Year to date domestic reported consumption of primary refined tin was 12,100 t, a slight decrease compared with that of the same period of 2021. Apparent consumption of refined tin in August 2022 was 2,730 t, a 20% decrease from that in July 2022 and a 13% decrease from that in August 2021. Year to date apparent consumption of refined tin was 29,300 t, a 4% increase 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 August 2022 was \$12.02 per pound, an 8% decrease from that in July 2022, and a 33% decrease from that in August 2021. The average London Metal Exchange (LME) cash price of Grade A tin for August 2022 was \$11.11 per pound, a 3% decrease from that in July 2022, and a 31% decrease from that in August 2021 (fig. 1, table 2).

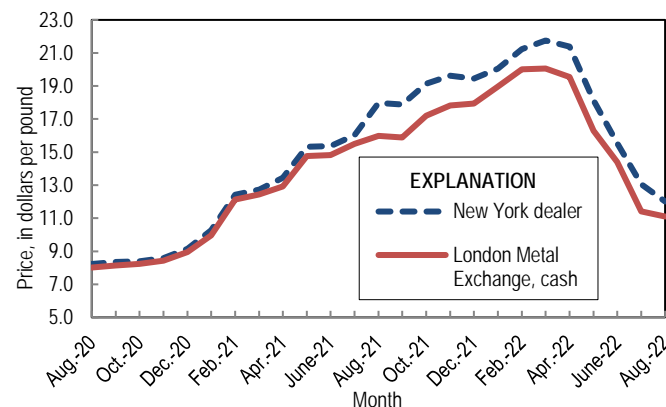


Figure 1. Average monthly prices for Grade A tin from August 2020 through August 2022. Source: S&P Global Platts Metals Week.

U.S. Trade

Total refined tin imports in August 2022 were 1,970 t, a 26% decrease from those in July 2022 and a 17% decrease from those in August 2021. The leading sources of refined tin in August 2022 were Peru (32%), Bolivia (30%), Brazil (14%), Indonesia

(14%), and Poland (6%). Year to date refined tin imports were 23,400 t, a 6% increase from those in the same period of 2021. Year to date leading sources of refined tin were Bolivia (33%), Peru (26%), Indonesia (18%), and Brazil (12%). Total refined tin exports in August 2022 were 99 t, a decrease of 1 t from those in July 2022 and an increase of 9 t from those in August 2021. Year to date refined tin exports were 980 t, an increase of 120 t from those in the same period of 2021 (table 4).

Update

In October, the United States Steel Corp. began temporarily idling its tin mill at the Gary Works steel mill. Located in Gary, IN, the facility manufactures products for the container industry. In August, the company had announced that it would partially idle the facility but will now extend that process to the rest of the tin mill. Competing imports and market conditions were cited as reasons for the shutdown (Pete, 2022; U.S. Steel Corp., undated).

References Cited

Pete, Joseph S., 2022, U.S. Steel idling tin mill at Gary Works: The Times of Northwest Indiana [Munster, IN], October 12. (Accessed October 24, 2022, at https://www.nwtimes.com/business/local/u-s-steel-idling-tin-mill-at-gary-works/article_754f39ad-4771-515c-9dfe-0d729c91e15b.html.)
 U.S. Steel Corp., [undated], U.S. Steel's footprint: Pittsburgh, PA, U.S. Steel Corp. (Access October 25, 2022, at <https://www.ussteel.com/about-us/locations>.)

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TABLE 1
SALIENT TIN STATISTICS¹

(Metric tons, unless otherwise noted)

	2022			
	2021 ^p	July	August	January–August ²
Production, secondary ^{e, 3}	10,300	858	858	6,860
Consumption, reported:				
Primary	18,400	1,500 ^r	1,490	12,100
Secondary	680	25 ^r	36	191
Consumption, apparent ⁴	47,100	3,430	2,730	29,300
Imports for consumption, refined tin	38,100	2,670	1,970	23,400
Exports, refined tin	1,290	100	99	980
Stocks at end of period	5,050	4,740 ^r	4,700	4,700
Prices (average cents per pound): ⁵				
Metals Week New York dealer, Grade A	1,580.06	1,305.75	1,201.89	1,789.48
London Metal Exchange cash	1,478.14	1,140.64	1,111.05	1,647.22

^eEstimated. ^rRevised. ^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:		
August	1,796.78	1,599.03
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
January–August	1,789.48	1,647.22

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:				
August	37,900	440	11.6	90,700
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
January–August	323,000	3,440	10.7	631,000

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	2021 ^P	2022		
		July	August	January–August ²
Imports:				
Refined tin:				
Belgium	323	23	35	237
Bolivia	6,830	1,030	596	7,680
Brazil	3,470	300	274	2,810
China	1,560	--	--	(3)
Indonesia	8,410	270	280	4,250
Malaysia	3,870	130	--	808
Peru	11,400	769	640	6,070
Poland	1,290	67	112	896
Thailand	287	20	25	205
Other	684	66	9	413
Total	38,100	2,670	1,970	23,400
Other:				
Alloys	1,110	88	36	470
Bars, rods, profiles, and wire	1,770	94	135	1,030
Flakes and powders	300	14	12	270
Foil	110	8	(3)	29
Plates, sheets, strip	38	2	(3)	3
Tubes, pipes, and tube and pipe fittings	38	12	(3)	14
Waste and scrap	18,600	908	872	7,770
Miscellaneous ⁴	1,560	165	171	1,570
Exports:				
Refined tin	1,290	100	99	980
Alloys	630	18	34	290

^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	July			August			January– August ²
		Primary	Secondary	Total	Primary	Secondary	Total	
Alloys (miscellaneous) ³	1,910	155 ^r	--	155 ^r	155	--	155	1,250
Babbitt	96	7	W	7	7	W	7	59
Bronze and brass	936	45 ^r	14 ^r	59 ^r	48	22	70	540
Chemicals	3,140	240 ^r	--	240 ^r	236	--	236	2,000
Solder	1,650	116	W	116	116	W	116	989
Tinning	235	19	--	19	19	--	19	156
Tinplate ⁴	5,370	443	W	443	430	W	430	3,440
Other ⁵	5,760	479	11 ^r	490 ^r	479	14	493	3,900
Total reported	19,100	1,500 ^r	25 ^r	1,530 ^r	1,490	36	1,530	12,300

¹Revised. ^PPreliminary. W Withheld to avoid disclosing company proprietary data; included with "Other." -- Zero.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³May include revisions to previous published data.

⁴Includesterne metal.

⁵Includes secondary pig tin and tin components of tinplating chemical solutions.

⁶Includes bar tin and anodes, britannia metal, collapsible tubes and foil, jewelers' metal, pewter, tin powder, type metal, and white metal.