

Mineral Industry Surveys

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SILICON IN JUNE 2025

Production of silicon alloys and metal in June 2025 was withheld to avoid disclosing company proprietary information. Net shipments of silicon alloys and metal were 18,100 metric tons (t) in June 2025, 4% less than those in June 2024. Ending stocks were 23,500 t in June 2025, 6% more than those in May 2025 and 13% more than those in June 2024 (table 1).

On a silicon content basis, total ferrosilicon imports were 7,250 t in June 2025, 36% less than those in May 2025 and 52% less than those in June 2024 (fig. 1, table 4). Total silicon metal imports, on a silicon content basis, were 12,600 t in June 2025, 20% less than those in May 2025 and 22% more than those in June 2024 (fig. 1, table 5).

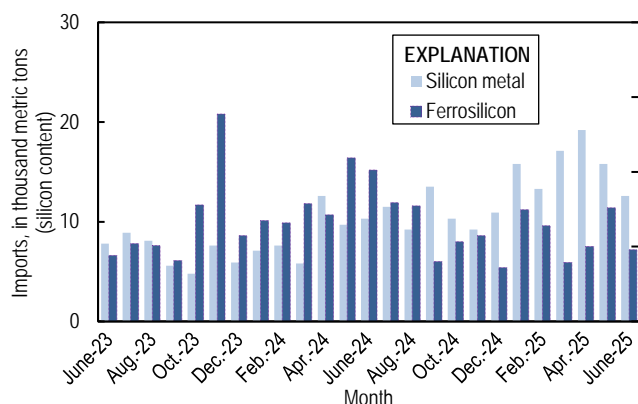


Figure 1. Ferrosilicon and silicon metal imports from June 2023 through June 2025. Source: U.S. Census Bureau.

In June 2025, the leading export destinations for silicon metal, on a silicon content basis in descending order of quantity, more than 99.99% silicon trade category, were Vietnam (414 t), Japan (390 t), and Taiwan (299 t) (table 3). In June 2025, the leading import sources for ferrosilicon, on a silicon content basis in descending order of quantity, 55%–80% grade, were Azerbaijan (1,570 t), Canada (1,180 t), and Vietnam (1,160 t) and the leading import sources for silicon metal, 99.00%–99.99% silicon trade category, were Brazil (5,980 t), Canada (1,790 t), and Norway (687 t) (tables 4, 5).

Prices

The average U.S. spot price for ferrosilicon, 75% grade silicon content, was 145.00 cents per pound in June 2025, 1% less than the average price in May 2025 and 6% more than the average price June 2024. The average U.S. spot price for silicon metal was 130.00 cents per pound in June 2025, 3% less than the average price in May 2025 and 36% less than the average price in June 2024 (fig. 2, table 2).

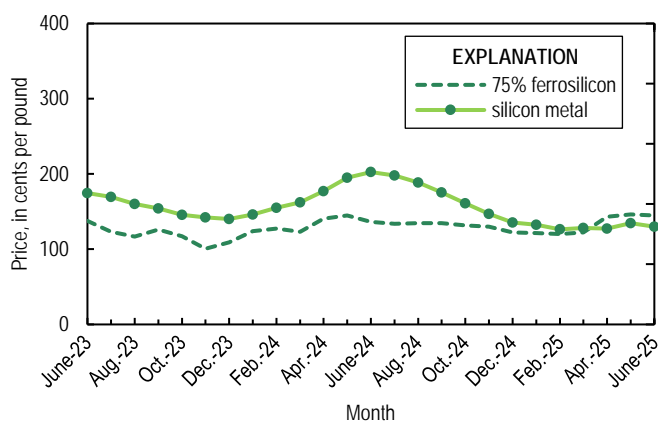


Figure 2. Average monthly spot prices for ferrosilicon, 75% grade silicon content, and silicon metal from June 2023 through June 2025. Source: S&P Global Platts Metals Week.

A worksheet has been added to the Excel table files that includes a button to remove text and numerical footnotes from data cells. This will allow users to only have numbers in data cells. Please see the worksheet titled RemoveTextButton for instructions in how to use the tool. Note: you must download the excel file in order to use the tool.

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TABLE 1. Production, shipments, and stocks of silicon alloys and metal in the United States.
[Data are rounded to no more than three significant digits; may not add to totals shown. Includes ferrosilicon, miscellaneous silicon alloys, and silicon metal, excluding semiconductor and solar grades, except where noted. Includes USGS estimates. Data are in metric tons, gross weight. W Withheld to avoid disclosing company proprietary data.]

Year to date	Gross production ¹	Net shipments	Producers' stocks, end of period
2024			
June	W	18,900	20,800
July	W	19,700	21,000
August	W	W	19,400
September	19,200	13,600	18,800
October	W	21,800	16,900
November	W	W	W
December	W	20,000	W
January–December	W	234,000	W
January–June	W	W	20,800
2025			
January	W	W	W
February	W	20,300	W
March	W	19,300	W
April	W	21,200	20,700
May	W	W	22,300
June	W	18,100	23,500
January–June	W	112,000	23,500

¹Ferrosilicon production includes material consumed in the production of miscellaneous silicon alloys.

TABLE 2. Prices for ferrosilicon and silicon metal in June 2025.

Product	Currency	Low	Average	High
Ferrosilicon (75%) ¹	cents per pound	140.00	145.00	150.00
Silicon metal, 553 grade ²	cents per pound	125.00	130.00	135.00

¹S&P Global Platts Metals Week, in U.S. warehouse, U.S. origin and imported material.

Average price reported for all transactions during the month.

²S&P Global Platts Metals, duty paid, delivered Midwest, U.S. spot and imported 553 grade silicon metal (minimum 98.50% silicon). Average price reported for all transactions during the month.

TABLE 3. U.S. exports of ferrosilicon and silicon metal.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons, unless otherwise specified. Source: U.S. Census Bureau (<https://usatrade.census.gov/>).]

Product, country or locality, and Schedule B code	June			January–June ¹		
	Gross weight	Silicon content	Value (dollars)	Gross weight	Silicon content	Value (dollars)
Ferrosilicon						
More than 55% silicon (7202.21.0000) ²						
Brazil	0	0	0	8	5	13,800
Canada	66	40	159,000	422	253	907,000
France	0	0	0	60	40	173,000
India	58	54	99,100	166	125	335,000
Israel	0	0	0	6	3	10,300
Japan	0	0	0	2	1	4,000
Mexico	1	1	5,540	68	41	171,000
Netherlands	0	0	0	200	120	121,000
Sweden	0	0	0	41	24	48,600
Switzerland	5	3	9,660	8	5	15,900
Other [1 country and (or) locality]	1	1	7,950	1	1	7,950
Total	131	98	282,000	983	619	1,810,000
Other ferrosilicon (7202.29.0000)						
Belgium	36	16	30,600	198	88	171,000
Brazil	0	0	0	117	58	319,000
Canada	83	33	210,000	347	146	855,000
China	0	0	0	6	3	11,900
India	0	0	0	100	50	138,000
Malaysia	0	0	0	115	58	180,000
Mexico	13	6	32,900	186	92	550,000
Singapore	0	0	0	21	11	93,500
Spain	0	0	0	8	3	7,500
Total	132	55	274,000	1,100	510	2,320,000
Total ferrosilicon	263	153	555,000	2,080	1,130	4,130,000
Metal						
More than 99.99% silicon (2804.61.0000) ²						
China	225	225	7,870,000	807	807	24,800,000
Germany	203	203	11,800,000	1,170	1,170	64,900,000
Japan	390	390	19,300,000	3,050	3,050	146,000,000
Korea, Republic of	24	24	1,450,000	479	479	19,400,000
Malaysia	7	7	1,180,000	2,070	2,070	9,010,000
Netherlands	84	84	126,000	84	84	138,000
Peru	1	1	65,500	73	73	334,000
Singapore	36	36	888,000	453	453	11,300,000
Taiwan	299	299	4,050,000	657	657	9,350,000
Vietnam	414	414	8,800,000	6,850	6,850	150,000,000
Other [19 countries and (or) localities]	5	5	212,000	120	120	3,500,000
Total	1,690	1,690	55,800,000	15,800	15,800	438,000,000
99.00%–99.99% silicon (2804.69.1000) ²						
China	4	4	5,120	10	10	14,400
France	0	0	0	51	50	71,800
Germany	0	0	0	4	4	5,610
Hong Kong	2	2	3,250	5	5	7,500
Ireland	0	0	0	2	2	3,200
Malaysia	0	0	0	39	39	54,900
Mexico	0	0	0	69	68	96,700
Netherlands	0	0	0	47	47	54,600
Singapore	0	0	0	23	22	32,000
Slovakia	0	0	0	59	58	57,400
Other [2 countries and (or) localities]	2	2	3,050	4	4	6,020
Total	8	8	11,400	313	311	404,000
Other silicon (2804.69.5000) ²						
Belgium	0	0	0	20	19	31,300
Canada	35	34	33,900	215	209	216,000
Japan	0	0	0	2	2	2,700
Mexico	17	17	22,600	87	85	260,000
Panama	11	11	14,300	11	11	14,300
South Africa	0	0	0	103	100	136,000
Taiwan	4	4	5,270	4	4	5,270
Trinidad and Tobago	83	81	125,000	88	86	132,000
United Kingdom	0	0	0	5	5	13,900
Vietnam	0	0	0	866	839	8,350,000
Other [1 country and (or) locality]	0	0	0	1	1	5,680
Total	150	146	201,000	1,400	1,360	9,170,000
Total silicon metal	1,850	1,840	56,000,000	17,500	17,500	448,000,000

¹May include revisions to previously published data.

²Presentation of monthly data is based on the quantities (gross weight) of the leading countries and (or) localities.

TABLE 4. U.S. imports of ferrosilicon in 2025.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons, unless otherwise specified.]

Source: U.S. Census Bureau (<https://usatrade.census.gov/>).]

Product, country or locality, and HTS ¹ Code	June			January–June ²		
	Gross weight	Silicon content	Value (dollars)	Gross weight	Silicon content	Value (dollars)
Ferrosilicon						
55%–80% silicon, more than 3% Ca (7202.21.1000)						
China	0	0	0	50	30	93,300
France	114	71	391,000	184	117	645,000
India	0	0	0	18	14	31,300
South Africa	0	0	0	128	81	367,000
Thailand	0	0	0	24	14	41,300
Total	114	71	391,000	404	256	1,180,000
55%–80% silicon, other (7202.21.5000) ³						
Azerbaijan	2,130	1,570	2,660,000	6,090	4,520	7,930,000
Brazil	1,070	798	1,840,000	5,360	4,020	9,160,000
Canada	1,580	1,180	3,830,000	10,000	7,350	23,500,000
Egypt	193	142	317,000	2,490	1,790	3,630,000
Iceland	332	252	473,000	4,160	3,170	6,520,000
India	128	95	238,000	4,710	3,490	6,910,000
Kuwait	308	222	375,000	2,480	1,800	3,060,000
Malaysia	0	0	0	5,900	4,380	6,820,000
Norway	0	0	0	3,510	2,650	5,090,000
Vietnam	1,510	1,160	2,210,000	9,700	7,350	13,700,000
Other [11 countries and (or) localities]	663	498	1,870,000	7,860	5,850	16,200,000
Total	7,910	5,910	13,800,000	62,300	46,400	103,000,000
80%–90% ferrosilicon (7202.21.7500)						
Germany	8	6	25,000	27	22	88,700
Japan	121	100	141,000	121	100	141,000
Total	129	106	166,000	148	122	230,000
More than 90% ferrosilicon (7202.21.9000)						
Japan	0	0	0	(⁴)	(⁴)	5,270
Magnesium ferrosilicon (7202.29.0010)						
Brazil	339	152	567,000	1,170	518	2,030,000
Canada	893	420	2,640,000	5,740	2,670	17,200,000
Germany	4	2	11,700	25	11	76,100
India	111	51	225,000	792	362	1,500,000
Kuwait	0	0	0	4	2	4,140
Mexico	0	0	0	65	32	170,000
Spain	0	0	0	46	21	43,300
Thailand	450	206	674,000	1,370	577	2,240,000
United Kingdom	0	0	0	51	24	102,000
Total	1,800	831	4,110,000	9,270	4,220	23,400,000
Other ferrosilicon (7202.29.0050) ³						
Belgium	0	0	0	20	11	62,200
Canada	699	242	1,090,000	4,710	1,610	7,130,000
China	0	0	0	18	8	26,400
Germany	0	0	0	16	7	36,600
India	0	0	0	24	11	58,000
Mexico	0	0	0	20	10	52,000
Norway	136	60	99,300	136	60	99,300
Slovakia	39	6	74,800	195	28	360,000
South Africa	38	6	35,000	38	6	35,000
Thailand	27	14	47,500	41	22	72,700
Other [2 countries and (or) localities]	0	0	0	12	5	19,600
Total	940	328	1,350,000	5,230	1,780	7,950,000
Total ferrosilicon	10,900	7,250	19,800,000	77,300	52,800	135,000,000

¹Harmonized Tariff Schedule of the United States.²May include revisions to previously published data.³Presentation of monthly data is based on the quantities (gross weight) of the leading countries and (or) localities.⁴Less than ½ unit.

TABLE 5. U.S. imports silicon metal in 2025.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons, unless otherwise specified. Source: U.S. Census Bureau (<https://usatrade.census.gov/>).]

Product, country or locality, and HTS ¹ Code	June			January–June ²		
	Gross weight	Silicon content	Value (dollars)	Gross weight	Silicon content	Value (dollars)
Metal						
More than 99.99% silicon (2804.61.0000) ³						
Brazil	0	0	0	321	321	1,270,000
China	1	1	197,000	17	17	1,140,000
Denmark	(⁴)	(⁴)	89,700	2	2	520,000
Germany	188	188	9,470,000	366	366	31,000,000
Japan	27	27	1,250,000	37	37	3,870,000
Korea, Republic of	6	6	250,000	68	68	1,760,000
Malaysia	0	0	0	2,460	2,460	38,000,000
Norway	0	0	0	4	4	49,600
Taiwan	31	31	3,370,000	126	126	13,500,000
Vietnam	17	17	785,000	20	20	968,000
Other [7 countries and (or) localities]	(⁴)	(⁴)	97,100	3	3	1,500,000
Total	271	271	15,500,000	3,420	3,420	93,600,000
99.00%–99.99% silicon (2804.69.1000) ³						
Angola	528	524	919,000	1,600	1,590	3,330,000
Australia	0	0	0	5,210	5,180	15,700,000
Brazil	6,030	5,980	17,900,000	39,200	38,900	123,000,000
Canada	1,810	1,790	6,070,000	12,600	12,500	43,000,000
China	216	214	459,000	602	597	1,320,000
Hong Kong	600	596	1,090,000	792	786	1,490,000
Laos	75	74	147,000	2,560	2,540	5,360,000
Malaysia	0	0	0	7,790	7,740	17,900,000
Norway	692	687	2,010,000	7,710	7,660	23,900,000
Vietnam	0	0	0	345	343	675,000
Other [5 countries and (or) localities]	0	0	0	724	717	1,550,000
Total	9,950	9,870	28,600,000	79,100	78,600	237,000,000
Other silicon (2804.69.5000) ³						
Angola	559	285	477,000	1,230	946	1,760,000
Belgium	6	6	80,900	107	103	604,000
Brazil	1,310	1,280	3,890,000	7,780	7,670	23,800,000
China	5	4	41,000	254	249	710,000
Georgia	544	537	1,050,000	940	927	1,960,000
Hong Kong	0	0	0	373	190	360,000
Malaysia	0	0	0	181	179	417,000
Netherlands	19	10	46,500	151	91	495,000
Norway	198	195	502,000	1,400	1,180	3,280,000
United Kingdom	96	94	154,000	108	105	183,000
Other [8 countries and (or) localities]	53	52	212,000	219	168	859,000
Total	2,790	2,460	6,450,000	12,700	11,800	34,400,000
Total silicon metal	13,000	12,600	50,500,000	95,300	93,800	365,000,000

¹Harmonized Tariff Schedule of the United States.

²May include revisions to previously published data.

³Presentation of monthly data is based on the quantities (gross weight) of the leading countries and (or) localities.

⁴Less than ½ unit.