

Mineral Industry Surveys

For information, contact:

Emily K. Schnebele, Silicon Commodity Specialist
National Minerals Information Center
Telephone: (703) 648-4945
Email: eschnebele@usgs.gov

Michelle Blackwell (Data)
Telephone: (703) 648-7943
Email: mblackwell@usgs.gov

Internet: <https://www.usgs.gov/centers/national-minerals-information-center/mineral-industry-surveys>

SILICON IN MARCH 2025

Domestic net shipments of silicon alloys and metal were 18,100 metric tons (t), gross weight, in March 2025, 7% less than those in February 2025. Production and ending stocks were withheld to avoid disclosing company proprietary data (table 1).

On a silicon content basis, total ferrosilicon imports were 5,900 t in March 2025, 38% less than those in February 2025 and 50% less than those in March 2024 (fig. 1, table 4). Total silicon metal imports, on a silicon content basis, were 17,100 t in March 2025, 29% more than those in February 2025 and almost three times more than those in March 2024 (fig. 1, table 5).

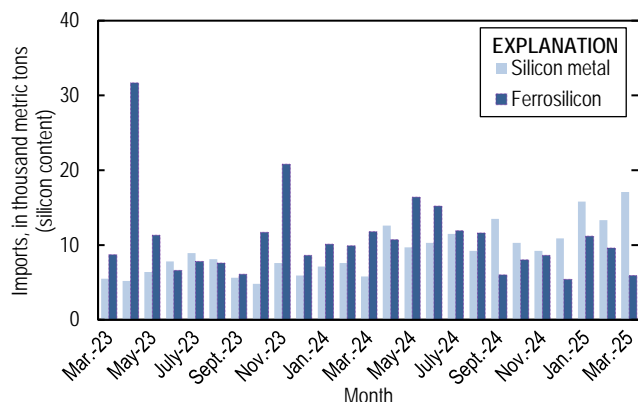


Figure 1. Ferrosilicon and silicon metal imports from March 2023 through March 2025. Source: U.S. Census Bureau.

In March 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 (551 t), Japan (547 t), and Malaysia (387 t) (table 3). In March 2025, the leading import sources for ferrosilicon, on a silicon content basis in descending order of quantity, 55%–80% grade, were Canada (1,050 t), Vietnam (938 t), and Azerbaijan (935 t) and the leading import sources for silicon metal, 99.00%–99.99% silicon trade category, were Brazil (7,800 t), Norway (3,200 t), and Canada (1,950 t) (tables 4, 5).

Prices

The average U.S. spot price for ferrosilicon, 75% grade silicon content, was 122.50 cents per pound in March 2025 compared with 123.13 cents per pound in March 2024 and slightly more than the average price in February 2025. The average U.S. spot price for silicon metal was 128.13 cents per pound in March 2025 compared with 126.38 cents per pound in February 2025 and 21% less than the average price in March 2024 (fig. 2, table 2).

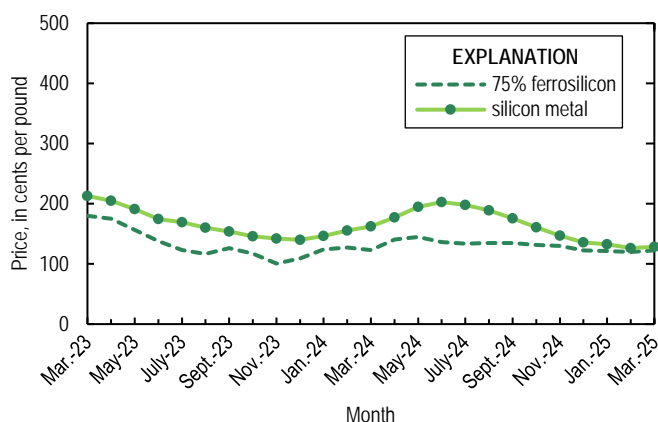


Figure 2. Average monthly spot prices for ferrosilicon, 75% grade silicon content, and silicon metal from March 2023 through March 2025. Source: S&P Global Platts Metals Week.

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.

List services and web feed subscribers are the first to receive notification of USGS minerals information publications and data releases. For information on how to subscribe, go to <https://www.usgs.gov/centers/national-minerals-information-center/minerals-information-publication-list-services>.

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. Revised data are marked with a superscript "r". W Withheld to avoid disclosing company proprietary data.]

Year to date	Gross production ¹	Net shipments	Producers' stocks, end of period
2024			
March	W	W	18,300
April	W	W	W
May	W	20,300	20,800
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–March	W	W	18,300
2025			
January	W	W	W
February	W	19,400	W
March	W	18,100	W
January–March	W	54,100	W

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

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

Product	Currency	Low	Average	High
Ferrosilicon (75%) ¹	cents per pound	115.00	122.50	130.00
Silicon metal, 553 grade ²	cents per pound	120.00	128.13	137.00

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	March			January–March ¹		
	Gross weight	Silicon content	Value (dollars)	Gross weight	Silicon content	Value (dollars)
Ferrosilicon						
More than 55% silicon (7202.21.0000)						
Brazil	0	0	0	8	5	13,800
Canada	19	12	43,200	212	127	445,000
France	0	0	0	40	27	106,000
Japan	0	0	0	2	1	4,000
Mexico	20	12	63,600	29	17	89,900
Netherlands	80	48	59,100	80	48	59,100
Total	120	72	166,000	371	226	718,000
Other ferrosilicon (7202.29.0000)						
Belgium	54	24	45,900	72	32	61,200
Brazil	0	0	0	39	20	106,000
Canada	16	8	51,600	166	69	384,000
Malaysia	28	14	36,100	115	58	180,000
Mexico	27	12	101,000	59	28	206,000
Singapore	0	0	0	21	11	93,500
Spain	0	0	0	8	3	7,500
Total	125	58	235,000	480	220	1,040,000
Total ferrosilicon	245	130	401,000	851	446	1,760,000
Metal						
More than 99.99% silicon (2804.61.0000) ²						
Canada	20	20	115,000	20	20	223,000
China	(³)	(³)	12,200	446	446	13,800,000
Germany	344	344	18,400,000	886	886	46,600,000
Japan	547	547	24,500,000	1,480	1,480	69,600,000
Korea, Republic of	4	4	310,000	357	357	14,800,000
Malaysia	387	387	2,060,000	1,940	1,940	5,280,000
Peru	14	14	56,400	71	71	196,000
Singapore	146	146	3,700,000	305	305	7,600,000
Taiwan	48	48	752,000	333	333	4,570,000
Vietnam	551	551	10,900,000	2,500	2,500	54,100,000
Other [10 countries and (or) localities]	1	1	172,000	31	31	1,680,000
Total	2,060	2,060	60,900,000	8,370	8,370	218,000,000
99.00%–99.99% silicon (2804.69.1000) ²						
China	7	7	9,300	7	7	9,300
France	51	50	71,800	51	50	71,800
Hong Kong	3	3	4,250	3	3	4,250
Ireland	2	2	3,200	2	2	3,200
Malaysia	14	14	20,000	19	19	27,400
Mexico	35	35	49,300	35	35	49,300
Netherlands	0	0	0	47	47	54,600
Singapore	0	0	0	14	14	20,000
Slovakia	0	0	0	59	58	57,400
Spain	0	0	0	2	2	2,970
Other [1 country and (or) locality]	0	0	0	2	2	2,810
Total	112	111	158,000	242	239	303,000
Other silicon (2804.69.5000)						
Canada	42	40	39,400	113	110	119,000
Japan	0	0	0	2	2	2,700
Mexico	14	14	27,900	33	32	115,000
South Africa	13	13	17,400	32	31	42,700
Trinidad and Tobago	0	0	0	5	5	6,400
United Kingdom	5	5	6,690	5	5	6,690
Vietnam	119	113	1,400,000	209	201	2,800,000
Total	193	185	1,490,000	399	386	3,090,000
Total silicon metal	2,370	2,360	62,600,000	9,010	8,990	222,000,000

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.

³Less than ½ unit.

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	March			January–March 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	0	0	0	70	46	254,000
India	0	0	0	18	14	31,300
South Africa	0	0	0	128	81	367,000
Thailand	24	14	41,300	24	14	41,300
Total	24	14	41,300	290	185	786,000
55%–80% silicon, other (7202.21.5000) ³						
Azerbaijan	1,260	935	1,640,000	3,070	2,290	4,120,000
Brazil	406	303	592,000	1,260	940	2,210,000
Canada	1,450	1,050	4,180,000	6,380	4,680	14,100,000
Egypt	0	0	0	1,480	1,080	2,250,000
Iceland	332	251	536,000	2,580	1,960	4,240,000
India	72	53	153,000	1,470	1,040	2,190,000
Kuwait	135	90	127,000	1,590	1,160	2,000,000
Norway	108	82	149,000	3,510	2,650	5,090,000
Paraguay	652	490	874,000	1,460	1,090	1,990,000
Vietnam	1,250	938	1,730,000	6,130	4,650	8,680,000
Other [8 countries and (or) localities]	478	352	1,120,000	2,280	1,710	5,130,000
Total	6,140	4,550	11,100,000	31,200	23,200	52,000,000
More than 90% ferrosilicon (7202.21.9000)						
Japan	(⁴)	(⁴)	2,310	(⁴)	(⁴)	2,310
Magnesium ferrosilicon (7202.29.0010)						
Brazil	303	136	555,000	511	229	875,000
Canada	1,390	648	4,140,000	3,430	1,590	10,300,000
Germany	0	0	0	13	6	40,800
India	167	75	267,000	350	159	619,000
Kuwait	0	0	0	4	2	4,140
Mexico	12	6	36,200	46	22	132,000
Thailand	102	50	195,000	454	218	793,000
United Kingdom	0	0	0	51	24	102,000
Total	1,980	915	5,190,000	4,860	2,250	12,800,000
Other ferrosilicon (7202.29.0050)						
Canada	1,070	404	1,710,000	2,640	962	4,010,000
France	0	0	0	9	4	13,300
Germany	16	7	36,600	16	7	36,600
India	0	0	0	4	2	2,970
Slovakia	78	11	142,000	117	17	213,000
Total	1,160	423	1,890,000	2,790	992	4,270,000
Total ferrosilicon	9,300	5,900	18,200,000	39,100	26,700	69,900,000

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	March			January–March ²		
	Gross weight	Silicon content	Value (dollars)	Gross weight	Silicon content	Value (dollars)
Metal						
More than 99.99% silicon (2804.61.0000) ³						
Brazil	12	12	47,500	313	313	1,240,000
China	5	5	353,000	13	13	753,000
Denmark	(⁴)	(⁴)	35,500	1	1	139,000
Germany	46	46	4,740,000	106	106	11,500,000
Japan	2	2	479,000	7	7	1,660,000
Korea, South	(⁴)	(⁴)	40,200	60	60	1,330,000
Malaysia	970	970	14,800,000	1,580	1,580	24,600,000
Norway	0	0	0	3	3	24,200
Spain	1	1	9,260	1	1	11,700
Taiwan	17	17	1,790,000	78	78	8,190,000
Other [3 countries and (or) localities]	(⁴)	(⁴)	222,000	1	1	768,000
Total	1,050	1,050	22,500,000	2,160	2,160	50,300,000
99.00%–99.99% silicon (2804.69.1000) ³						
Angola	192	191	410,000	624	619	1,420,000
Australia	856	850	2,150,000	2,980	2,960	9,030,000
Brazil	7,860	7,800	24,400,000	18,400	18,300	57,600,000
Canada	1,960	1,950	6,600,000	6,850	6,800	23,600,000
China	(⁴)	(⁴)	6,900	386	383	866,000
Laos	120	119	240,000	1,460	1,450	3,020,000
Malaysia	920	914	2,120,000	2,380	2,370	5,470,000
Norway	3,220	3,200	10,100,000	5,170	5,140	16,400,000
Thailand	200	198	416,000	200	198	416,000
Vietnam	0	0	0	195	194	372,000
Other [2 countries and (or) localities]	0	0	0	88	87	253,000
Total	15,300	15,200	46,400,000	38,800	38,500	118,000,000
Other silicon (2804.69.5000) ³						
Angola	0	0	0	672	661	1,280,000
Bahrain	21	11	65,900	21	11	65,900
Belgium	28	27	130,000	55	53	300,000
Brazil	548	541	1,750,000	3,550	3,500	10,100,000
China	0	0	0	225	222	556,000
Georgia	0	0	0	396	390	911,000
Japan	2	2	10,200	8	8	36,000
Norway	408	208	699,000	784	574	1,680,000
South Africa	0	0	0	25	24	49,500
United Kingdom	0	0	0	8	7	15,000
Other [4 countries and (or) localities]	7	7	63,200	10	10	75,000
Total	1,010	795	2,720,000	5,750	5,460	15,100,000
Total silicon metal	17,400	17,100	71,700,000	46,700	46,100	184,000,000

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.