

Mineral Industry Surveys

For information, contact:

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

Joshua Braunstein (Data)

Telephone: (703) 648-7958

Email: jbrownstein@usgs.gov

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

SILICON IN FEBRUARY 2025

Domestic net shipments of silicon alloys and metal were 19,200 metric tons (t), gross weight, 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 9,570 t in February 2025, 15% less than those in January 2025 and 3% less than those in February 2024 (fig. 1, table 4). Total silicon metal imports, on a silicon content basis, were 13,300 t in February 2025, 16% less than those in January 2025 and 75% more than those in February 2024 (fig. 1, table 5).

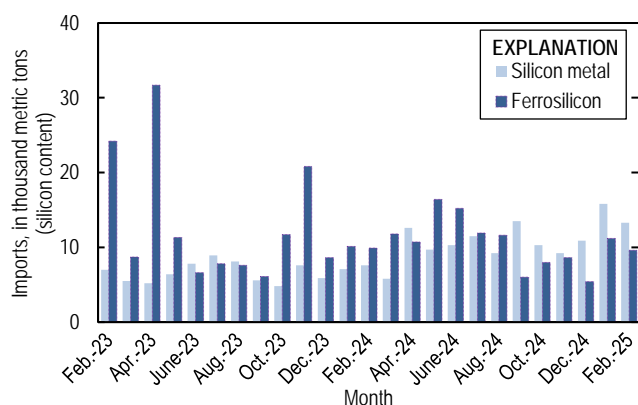


Figure 1. Ferrosilicon and silicon metal imports from February 2023 through February 2025. Source: U.S. Census Bureau.

In February 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 Malaysia (758 t), Japan (540 t), and Germany (362 t) (table 3). In February 2025, the leading import sources for ferrosilicon, on a silicon content basis in descending order of quantity, 55%–80% grade, were Vietnam (2,280 t), Canada (1,680 t), and Norway (1,290 t) and the leading import sources for silicon metal, 99.00%–99.99% silicon trade category, were Brazil (6,090 t), Canada (2,700 t), and Norway (1,330 t) (tables 4, 5).

Prices

The average U.S. spot price for ferrosilicon, 75% grade silicon content, was 120.00 cents per pound in February 2025, compared with 121.25 in January 2025 and 6% less than the average price in February 2024. The average U.S. spot price for silicon metal was 126.38 cents per pound in February 2025, 5% less than the average price in January 2025 and 19% less than the average price in February 2024 (fig. 2, table 2).

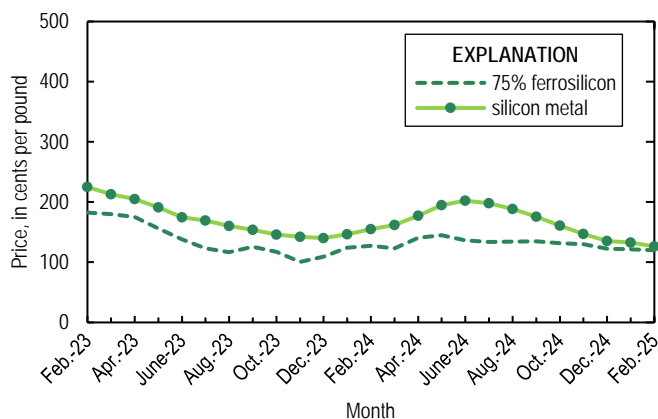


Figure 2. Average monthly spot prices for ferrosilicon, 75% grade silicon content, and silicon metal from February 2023 through February 2025. Source: S&P Global Platts Metals Week.

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			
February	W	W	W
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–February	W	W	W
2025			
January	W	W	W
February	W	19,200	W
January–February	W	W	W

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

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

Product	Currency	Low	Average	High
Ferrosilicon (75%) ¹	cents per pound	115.00	120.00	125.00
Silicon metal, 553 grade ²	cents per pound	120.00	126.38	130.00

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	February			January–February ¹		
	Gross weight	Silicon content	Value (dollars)	Gross weight	Silicon content	Value (dollars)
Ferrosilicon						
More than 55% silicon (7202.21.0000)						
Brazil	8	5	13,800	8	5	13,800
Canada	106	64	213,000	193	116	402,000
France	0	0	0	40	27	106,000
Japan	2	1	4,000	2	1	4,000
Mexico	5	3	16,300	8	5	26,300
Total	121	73	247,000	252	154	552,000
Other ferrosilicon (7202.29.0000)						
Belgium	18	8	15,300	18	8	15,300
Brazil	39	20	106,000	39	20	106,000
Canada	78	25	171,000	150	61	332,000
Malaysia	30	15	41,100	87	44	143,000
Mexico	19	9	52,200	32	16	105,000
Singapore	0	0	0	21	11	93,500
Spain	0	0	0	8	3	7,500
Total	184	77	386,000	355	162	803,000
Total ferrosilicon	305	150	634,000	606	316	1,360,000
Metal						
More than 99.99% silicon (2804.61.0000) ²						
China	2	2	18,500	446	446	13,800,000
Germany	362	362	19,400,000	542	542	28,200,000
Italy	0	0	0	17	17	540,000
Japan	540	540	30,400,000	933	933	45,100,000
Korea, Republic of	12	12	1,510,000	352	352	14,500,000
Malaysia	758	758	1,670,000	1,550	1,550	3,220,000
Peru	0	0	0	57	57	139,000
Singapore	113	113	2,800,000	159	159	3,900,000
Taiwan	167	167	2,310,000	285	285	3,820,000
Vietnam	275	275	5,650,000	1,950	1,950	43,200,000
Other [8 countries and (or) localities]	3	3	286,000	13	13	1,080,000
Total	2,230	2,230	64,000,000	6,310	6,310	157,000,000
99.00%–99.99% silicon (2804.69.1000)						
Germany	2	2	2,810	2	2	2,810
Malaysia	2	2	3,270	5	5	7,430
Netherlands	0	0	0	47	47	54,600
Singapore	14	14	20,000	14	14	20,000
Slovakia	0	0	0	59	58	57,400
Spain	2	2	2,970	2	2	2,970
Total	21	20	29,000	130	129	145,000
Other silicon (2804.69.5000) ²						
Canada	50	48	50,600	71	69	79,400
Mexico	12	12	52,600	19	18	87,100
South Africa	0	0	0	19	19	25,300
Trinidad and Tobago	0	0	0	5	5	6,400
Vietnam	90	88	1,400,000	90	88	1,400,000
Other [1 country and (or) locality]	2	2	2,700	2	2	2,700
Total	154	151	1,510,000	206	201	1,600,000
Total silicon metal	2,410	2,400	65,600,000	6,640	6,640	159,000,000

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

Product, country or locality, and HTS ¹ Code	February		
	Gross weight	Silicon content	Value (dollars)
Ferrosilicon			
55%–80% silicon, more than 3% Ca (7202.21.1000)			
China	50	30	93,300
France	52	32	178,000
India	0	0	0
South Africa	0	0	0
Total	102	62	271,000
55%–80% silicon, other (7202.21.5000) ³			
Azerbaijan	485	363	688,000
Brazil	736	552	1,380,000
Canada	2,290	1,680	4,840,000
Egypt	866	634	1,310,000
Iceland	914	697	1,480,000
India	423	312	754,000
Kuwait	150	108	185,000
Norway	1,700	1,290	2,400,000
Paraguay	101	75	137,000
Vietnam	3,000	2,280	4,330,000
Other [8 countries and (or) localities]	932	701	1,680,000
Total	11,600	8,690	19,200,000
Magnesium ferrosilicon (7202.29.0010)			
Brazil	73	33	130,000
Canada	708	317	2,080,000
Germany	0	0	
India	140	64	262,000
Kuwait	0	0	
Mexico	5	3	19,100
Thailand	234	111	405,000
United Kingdom	0	0	
Total	1,160	528	2,900,000
Other ferrosilicon (7202.29.0050)			
Canada	787	282	1,140,000
France	0	0	
India	0	0	
Slovakia	39	5	71,000
Total	826	287	1,210,000
Total ferrosilicon	13,700	9,570	23,600,000

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) loc

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

Product, country or locality, and HTS ¹ Code	February		
	Gross weight	Silicon content	Value (dollars)
	Metal		
	More than 99.99% silicon (2804.61.0000) ³		
Brazil	59	59	223,000
China	1	1	250,000
Denmark	(⁴)	(⁴)	14,000
Germany	14	14	2,760,000
Japan	2	2	635,000
Korea, Republic of	1	1	45,200
Malaysia	612	612	9,840,000
Norway	3	3	24,200
Singapore	(⁴)	(⁴)	28,900
Taiwan	61	61	6,410,000
Other [3 countries and (or) localities]	(⁴)	(⁴)	196,000
Total	753	753	20,400,000
	99.00%–99.99% silicon (2804.69.1000)		
Angola	432	429	1,010,000
Australia	284	282	821,000
Brazil	6,140	6,090	19,600,000
Canada	2,720	2,700	9,250,000
China	0	0	0
Germany	0	0	0
Laos	650	646	1,330,000
Malaysia	420	418	966,000
Norway	1,340	1,330	4,330,000
Vietnam	0	0	0
Other [1 country and (or) locality]	(⁴)	(⁴)	3,250
Total	12,000	11,900	37,300,000
	Other silicon (2804.69.5000) ³		
Angola	160	158	293,000
Australia	0	0	0
Belgium	27	26	171,000
Brazil	396	391	1,250,000
China	19	19	53,500
Georgia	0	0	0
Japan	6	6	25,800
Norway	5	5	49,100
South Africa	0	0	0
United Kingdom	8	7	15,000
Other [1 country and (or) locality]	0	0	0
Total	620	611	1,860,000
Total silicon metal	13,400	13,300	59,600,000

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.