

Mineral Industry Surveys

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SILICON IN MAY 2025

Production and net shipments of silicon alloys and metal in May 2025 were withheld to avoid disclosing company proprietary information. Ending stocks were 22,300 metric tons (t) in May 2025, 7% more than those in April 2025 and 7% more than those in May 2024 (table 1).

On a silicon content basis, total ferrosilicon imports were 11,400 t in May 2025, 53% more than those in April 2025 and 31% less than those in May 2024 (fig. 1, table 4). Total silicon metal imports, on a silicon content basis, were 15,800 t in May 2025, 18% less than those in April 2025 and 63% more than those in May 2024 (fig. 1, table 5).

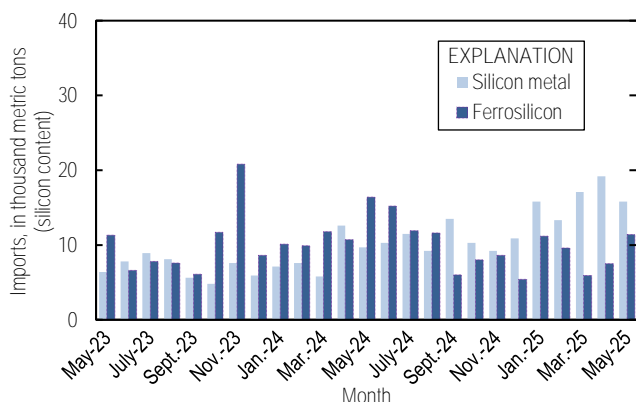


Figure 1. Ferrosilicon and silicon metal imports from May 2023 through May 2025. Source: U.S. Census Bureau.

In May 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 (2,040 t), Japan (653 t), and Germany (42 t) (table 3). In May 2025, the leading import sources for ferrosilicon, on a silicon content basis in descending order of quantity, 55%–80% grade, were Malaysia (4,380 t), India (2,230 t), and Canada (861 t) and the leading import sources for silicon metal, 99.00%–99.99% silicon trade category, were Brazil (8,100 t), Canada (2,470 t), and Malaysia (1,870 t) (tables 4, 5).

Prices

The average U.S. spot price for ferrosilicon, 75% grade silicon content, was 146.25 cents per pound in May 2025, slightly more than the average price in April 2025 and less than the 145.00 cents per pound in May 2024. The average U.S. spot price for silicon metal was 134.50 cents per pound in May 2025, 6% more than the average price in April 2025 and 31% less than the average price in May 2024 (fig. 2, table 2).

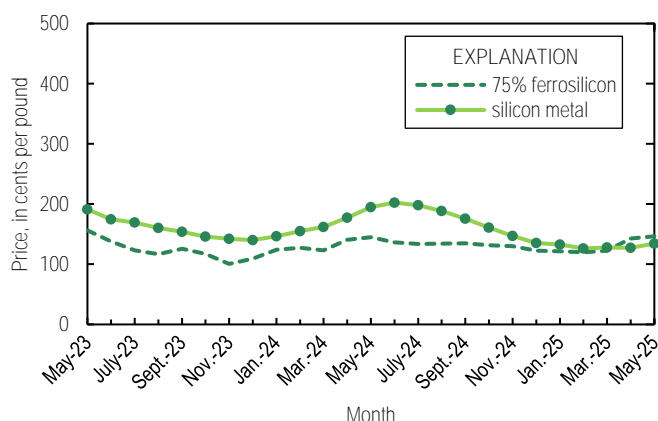


Figure 2. Average monthly spot prices for ferrosilicon, 75% grade silicon content, and silicon metal from May 2023 through May 2025. Source: S&P Global Platts Metals Week.

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			
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–May	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
January–May	W	94,200	22,300

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

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

Product	Currency	Low	Average	High
Ferrosilicon (75%) ¹	cents per pound	140.00	146.25	160.00
Silicon metal, 553 grade ²	cents per pound	125.00	134.50	140.00

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	May			January–May 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	65	39	124,000	356	214	748,000
France	20	13	67,300	60	40	173,000
India	108	71	236,000	108	71	236,000
Israel	3	2	5,260	6	3	10,300
Japan	0	0	0	2	1	4,000
Mexico	33	20	59,600	67	40	166,000
Netherlands	0	0	0	200	120	121,000
Sweden	23	14	40,200	41	24	48,600
Switzerland	3	2	6,200	3	2	6,200
Total	256	161	538,000	851	521	1,530,000
Other ferrosilicon (7202.29.0000)						
Belgium	36	16	32,800	162	72	140,000
Brazil	39	19	106,000	117	58	319,000
Canada	39	16	102,000	263	114	644,000
China	0	0	0	6	3	11,900
India	100	50	138,000	100	50	138,000
Malaysia	0	0	0	115	58	180,000
Mexico	71	35	197,000	173	86	518,000
Singapore	0	0	0	21	11	93,500
Spain	0	0	0	8	3	7,500
Total	285	137	576,000	965	455	2,050,000
Total ferrosilicon	541	298	1,110,000	1,820	976	3,580,000
Metal						
More than 99.99% silicon (2804.61.0000) ²						
China	8	8	167,000	582	582	17,000,000
Germany	42	42	3,230,000	967	967	53,100,000
Indonesia	0	0	0	43	43	374,000
Japan	653	653	37,300,000	2,660	2,660	127,000,000
Korea, South	18	18	675,000	455	455	17,900,000
Malaysia	39	39	1,390,000	2,070	2,070	7,830,000
Peru	1	1	72,700	72	72	269,000
Singapore	(³)	(³)	7,480	418	418	10,400,000
Taiwan	0	0	0	357	357	5,300,000
Vietnam	2,040	2,040	45,500,000	6,440	6,440	141,000,000
Other [17 countries and (or) localities]	3	3	260,000	73	73	2,920,000
Total	2,810	2,810	88,500,000	14,100	14,100	383,000,000
99.00%–99.99% silicon (2804.69.1000) ²						
China	0	0	0	7	7	9,300
France	0	0	0	51	50	71,800
Germany	0	0	0	4	4	5,610
Hong Kong	0	0	0	3	3	4,250
Ireland	0	0	0	2	2	3,200
Malaysia	14	14	20,000	39	39	54,900
Mexico	34	33	47,500	69	68	96,700
Netherlands	0	0	0	47	47	54,600
Singapore	9	8	12,000	23	22	32,000
Slovakia	0	0	0	59	58	57,400
Other [1 country and (or) locality]	0	0	0	2	2	2,970
Total	56	56	79,500	305	303	393,000
Other silicon (2804.69.5000)						
Belgium	20	19	31,300	20	19	31,300
Canada	63	61	56,800	180	175	182,000
Japan	0	0	0	2	2	2,700
Mexico	23	22	99,800	70	68	237,000
South Africa	35	34	46,600	103	100	136,000
Spain	1	1	5,680	1	1	5,680
Trinidad and Tobago	0	0	0	5	5	6,400
United Kingdom	0	0	0	5	5	13,900
Vietnam	538	523	4,150,000	866	839	8,350,000
Total	680	660	4,390,000	1,250	1,210	8,970,000
Total silicon metal	3,540	3,520	93,000,000	15,700	15,700	392,000,000

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	May			January–May 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	0	0	0	24	14	41,300
Total	0	0	0	290	185	786,000
55%–80% silicon, other (7202.21.5000) ³						
Azerbaijan	408	304	533,000	3,960	2,950	5,270,000
Brazil	927	698	1,910,000	4,290	3,220	7,320,000
Canada	1,170	861	2,890,000	8,410	6,170	19,700,000
Egypt	220	140	278,000	2,300	1,650	3,310,000
Iceland	416	328	601,000	3,820	2,910	6,050,000
India	2,940	2,230	4,070,000	4,580	3,400	6,680,000
Kuwait	454	328	551,000	2,170	1,580	2,690,000
Malaysia	5,900	4,380	6,820,000	5,900	4,380	6,820,000
Norway	0	0	0	3,510	2,650	5,090,000
Vietnam	717	532	954,000	8,190	6,200	11,500,000
Other [11 countries and (or) localities]	873	653	1,680,000	7,190	5,360	14,300,000
Total	14,000	10,500	20,300,000	54,300	40,500	88,700,000
80%–90% ferrosilicon (7202.21.7500)						
Germany	0	0	0	19	16	63,700
More than 90% ferrosilicon (7202.21.9000)						
Japan	0	0	0	(⁴)	(⁴)	5,270
Magnesium ferrosilicon (7202.29.0010)						
Brazil	280	125	507,000	833	366	1,460,000
Canada	692	324	2,120,000	4,850	2,250	14,600,000
Germany	5	2	15,800	21	10	64,500
India	156	72	297,000	681	311	1,270,000
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	403	124	674,000	921	371	1,570,000
United Kingdom	0	0	0	51	24	102,000
Total	1,540	647	3,620,000	7,470	3,390	19,300,000
Other ferrosilicon (7202.29.0050)						
Belgium	0	0	0	20	11	62,200
Canada	864	272	1,260,000	4,010	1,370	6,040,000
China	0	0	0	18	8	26,400
France	0	0	0	9	4	13,300
Germany	0	0	0	16	7	36,600
India	0	0	0	24	11	58,000
Japan	0	0	0	2	1	6,320
Mexico	20	10	52,000	20	10	52,000
Slovakia	0	0	0	156	22	286,000
Thailand	0	0	0	14	8	25,200
Total	884	282	1,310,000	4,290	1,450	6,600,000
Total ferrosilicon	16,400	11,400	25,200,000	66,400	45,500	115,000,000

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	May			January–May 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	(⁴)	(⁴)	7,070	16	16	942,000
Denmark	(⁴)	(⁴)	137,000	1	1	430,000
Germany	18	18	4,560,000	178	178	21,500,000
Japan	2	2	522,000	10	10	2,630,000
Korea, South	1	1	174,000	61	61	1,510,000
Malaysia	431	431	6,580,000	2,460	2,460	38,000,000
Norway	2	2	25,500	4	4	49,600
Taiwan	(⁴)	(⁴)	55,000	95	95	10,100,000
Vietnam	(⁴)	(⁴)	14,100	3	3	183,000
Other [5 countries and (or) localities]	(⁴)	(⁴)	253,000	3	3	1,400,000
Total	455	455	12,300,000	3,150	3,150	78,100,000
99.00%–99.99% silicon (2804.69.1000) ³						
Angola	410	407	894,000	1,070	1,070	2,410,000
Australia	412	409	1,110,000	5,210	5,180	15,700,000
Brazil	8,160	8,100	26,600,000	33,100	32,900	105,000,000
Canada	2,490	2,470	8,390,000	10,800	10,700	36,900,000
China	0	0	0	386	383	866,000
Laos	100	99	200,000	2,480	2,470	5,210,000
Malaysia	1,880	1,870	4,320,000	7,790	7,740	17,900,000
Norway	909	903	2,820,000	7,020	6,970	21,900,000
United Kingdom	0	0	0	336	333	649,000
Vietnam	0	0	0	345	343	675,000
Other [5 countries and (or) localities]	100	99	237,000	580	575	1,310,000
Total	14,500	14,400	44,600,000	69,200	68,700	209,000,000
Other silicon (2804.69.5000) ³						
Angola	0	0	0	672	661	1,280,000
Bahrain	0	0	0	98	51	311,000
Belgium	20	20	70,000	101	98	523,000
Brazil	526	517	1,650,000	6,480	6,380	19,900,000
China	25	24	113,000	249	245	670,000
Georgia	0	0	0	396	390	911,000
Hong Kong	373	190	360,000	373	190	360,000
Malaysia	1	1	2,650	181	179	417,000
Netherlands	46	32	151,000	133	81	448,000
Norway	217	213	578,000	1,200	984	2,780,000
Other [8 countries and (or) localities]	26	25	166,000	79	76	366,000
Total	1,230	1,020	3,090,000	9,960	9,340	28,000,000
Total silicon metal	16,200	15,800	60,000,000	82,300	81,200	315,000,000

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.