

Mineral Industry Surveys

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SILICON IN SEPTEMBER 2025

Production of silicon alloys and metal in September 2025 was withheld to avoid disclosing company proprietary information (table 1). Net shipments of silicon alloys and metal were 19,100 metric tons (t) in September 2025, 7% less than those in August 2025 and 40% more than those in September 2024. Ending stocks in September 2025 were 20,900 t, 11% more than those in September 2024.

On a silicon content basis, total ferrosilicon imports were 8,870 t in September 2025, 57% more than those in August 2025 and 47% more than those in September 2024 (fig. 1, table 5). Total silicon metal imports, on a silicon content basis, were 9,060 t in September 2025, 21% less than those in August 2025 and 33% less than those in September 2024 (fig. 1, table 6).

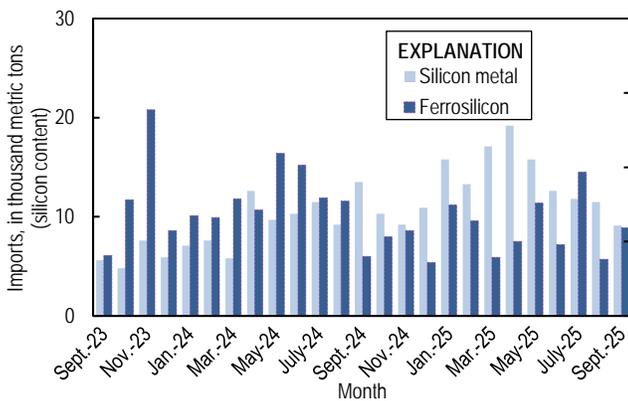


Figure 1. Ferrosilicon and silicon metal imports from September 2023 through September 2025. Source: U.S. Census Bureau.

In September 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 China (1,650 t), Vietnam (944 t), and Japan (860 t) (table 4). In September 2025, the leading import sources for ferrosilicon, on a silicon content basis in descending order of quantity, 55%–80% grade, were Iceland (3,730 t), Azerbaijan (1,010 t), and Canada (887 t) and the leading import sources for silicon metal, 99.00%–99.99% silicon trade category, were Brazil (4,790 t), Canada (1,830 t), and Norway (464 t) (tables 5, 6).

Prices

The average U.S. spot price for ferrosilicon, 75% grade silicon content, was 140.63 cents per pound in September 2025, 1% more than the average price in August 2025 and 4% more than the average price September 2024. The average U.S. spot price for silicon metal was 140.00 cents per pound in September 2025, unchanged from that in August 2025 and 20% less than the average price in September 2024 (fig. 2, table 2).

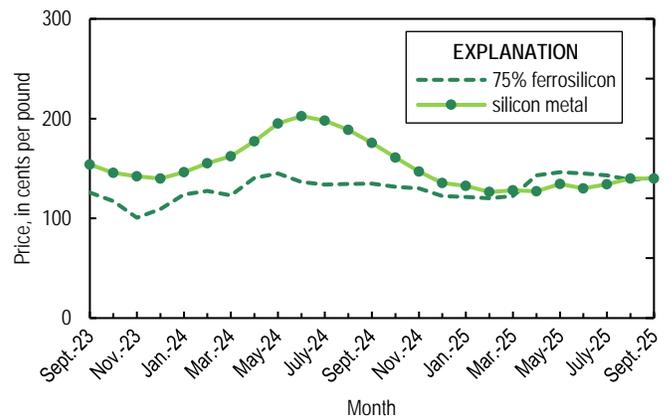


Figure 2. Average monthly spot prices for ferrosilicon, 75% grade silicon content, and silicon metal from September 2023 through September 2025. Source: S&P Global Platts Metals Week.

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 production¹	Net shipments	Producers' stocks, end of period
2024			
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–September	W	W	18,800
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	18,900	22,600
July	W	17,500	W
August	W	20,500	W
September	W	19,100	20,900
January–September	W	170,000	20,900

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

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

Product	Currency	Low	Average	High
Ferrosilicon (75%) ¹	cents per pound	130.00	140.63	150.00
Silicon metal, 553 grade ²	cents per pound	135.00	140.00	145.00

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 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 Schedule B code	September			January–September 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	12	7	32,200
Canada	65	39	152,000	547	328	1,180,000
France	0	0	0	60	40	173,000
Germany	20	15	23,900	20	15	23,900
India	0	0	0	166	125	335,000
Mexico	3	2	8,470	103	62	274,000
Netherlands	0	0	0	433	260	249,000
Slovenia	0	0	0	20	15	35,600
Sweden	0	0	0	41	24	48,600
Switzerland	0	0	0	8	5	15,900
Other [3 countries and (or) localities]	0	0	0	9	6	22,300
Total	88	55	184,000	1,420	887	2,390,000
Other ferrosilicon (7202.29.0000) ²						
Belgium	18	8	15,300	252	112	219,000
Brazil	0	0	0	156	78	426,000
Canada	55	21	170,000	443	188	1,170,000
China	5	3	12,900	23	12	55,700
India	0	0	0	100	50	138,000
Malaysia	0	0	0	119	59	183,000
Mexico	19	9	79,000	284	141	866,000
Singapore	0	0	0	21	11	93,500
Spain	0	0	0	8	3	7,500
Switzerland	0	0	0	42	19	89,500
Other [1 country and (or) locality]	1	1	3,210	1	1	3,210
Total	98	41	280,000	1,450	673	3,250,000
Total ferrosilicon	186	97	465,000	2,870	1,560	5,640,000

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. exports of 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 Schedule B code	September			January–September ¹		
	Gross weight	Silicon content	Value (dollars)	Gross weight	Silicon content	Value (dollars)
Metal						
More than 99.99% silicon (2804.61.0000) ²						
China	1,650	1,650	10,500,000	2,470	2,470	35,700,000
Germany	19	19	1,640,000	1,440	1,440	86,100,000
Indonesia	155	155	2,400,000	200	200	2,800,000
Japan	860	860	44,300,000	4,990	4,990	251,000,000
Korea, Republic of	5	5	732,000	673	673	27,400,000
Malaysia	67	67	644,000	2,150	2,150	10,500,000
Netherlands	0	0	0	84	84	138,000
Singapore	17	17	53,300	470	470	11,400,000
Taiwan	33	33	93,500	1,320	1,320	12,100,000
Vietnam	944	944	19,200,000	9,520	9,520	206,000,000
Other [25 countries and (or) localities]	20	20	212,000	197	197	4,230,000
Total	3,770	3,770	79,800,000	23,500	23,500	647,000,000
99.00%–99.99% silicon (2804.69.1000) ²						
China	0	0	0	10	10	14,400
France	0	0	0	51	50	71,800
Germany	3	3	3,730	7	7	9,340
Israel	0	0	0	11	11	15,000
Malaysia	0	0	0	70	69	98,800
Mexico	0	0	0	69	68	96,700
Netherlands	0	0	0	47	47	54,600
Norway	0	0	0	96	95	88,700
Singapore	0	0	0	27	27	38,200
Slovakia	0	0	0	59	58	57,400
Other [7 countries and (or) localities]	7	6	9,170	20	20	28,900
Total	9	9	12,900	467	463	574,000
Other silicon (2804.69.5000) ²						
Belgium	0	0	0	20	19	31,300
Canada	25	25	25,800	300	291	296,000
China	0	0	0	10	10	13,100
Mexico	0	0	0	114	111	291,000
Panama	24	24	32,200	49	48	81,500
South Africa	13	13	17,400	129	125	170,000
Taiwan	0	0	0	4	4	5,270
Trinidad and Tobago	0	0	0	88	86	132,000
United Kingdom	0	0	0	5	5	13,900
Vietnam	114	111	1,340,000	1,190	1,150	12,400,000
Other [4 countries and (or) localities]	0	0	0	4	4	15,800
Total	177	172	1,420,000	1,910	1,850	13,500,000
Total silicon metal	3,960	3,950	81,200,000	25,900	25,800	661,000,000

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 5. 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	September			January–September 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	68	391,000	313	194	1,100,000
India	0	0	0	18	14	31,300
South Africa	0	0	0	128	81	367,000
Spain	0	0	0	2	1	4,380
Thailand	0	0	0	24	14	41,300
Total	114	68	391,000	535	335	1,640,000
55%–80% silicon, other (7202.21.5000) ³						
Azerbaijan	1,360	1,010	1,880,000	9,320	6,910	12,200,000
Bhutan	270	205	351,000	2,840	2,140	3,720,000
Brazil	325	242	464,000	10,800	8,120	17,300,000
Canada	1,220	887	3,130,000	14,500	10,700	34,300,000
Iceland	4,950	3,730	6,680,000	13,500	10,300	20,500,000
India	418	314	647,000	8,410	6,300	12,000,000
Kuwait	108	79	117,000	3,140	2,290	3,920,000
Malaysia	0	0	0	5,900	4,380	6,820,000
Norway	0	0	0	4,990	3,750	7,720,000
Vietnam	1,140	885	1,690,000	12,100	9,180	17,300,000
Other [12 countries and (or) localities]	856	636	1,460,000	11,600	8,560	23,100,000
Total	10,700	7,990	16,400,000	97,100	72,600	159,000,000
80%–90% ferrosilicon (7202.21.7500)						
Germany	0	0	0	27	22	88,700
Japan	0	0	0	121	100	141,000
Total	0	0	0	148	122	230,000
More than 90% ferrosilicon (7202.21.9000)						
Japan	0	0	0	(⁴)	(⁴)	5,270
Spain	(⁴)	(⁴)	3,520	(⁴)	(⁴)	3,520
Total	(⁴)	(⁴)	3,520	(⁴)	(⁴)	8,780
Magnesium ferrosilicon (7202.29.0010)						
Brazil	223	100	322,000	2,320	1,030	3,650,000
Canada	945	442	2,720,000	8,420	3,920	24,800,000
France	27	12	79,200	27	12	79,200
Germany	0	0	0	47	21	140,000
India	159	74	311,000	1,140	525	2,180,000
Kuwait	0	0	0	4	2	4,140
Mexico	20	10	51,000	115	56	299,000
Spain	0	0	0	46	21	43,300
Thailand	0	0	0	1,660	714	2,750,000
United Kingdom	0	0	0	51	24	102,000
Total	1,380	639	3,490,000	13,800	6,320	34,100,000
Other ferrosilicon (7202.29.0050) ³						
Canada	521	155	834,000	6,510	2,140	9,990,000
China	0	0	0	55	25	110,000
France	0	0	0	68	30	139,000
India	0	0	0	41	19	114,000
Italy	0	0	0	39	6	77,400
Mexico	11	5	32,700	31	15	84,700
Norway	60	9	88,800	196	69	188,000
Slovakia	0	0	0	234	34	431,000
South Africa	0	0	0	38	6	35,000
Thailand	0	0	0	41	22	72,700
Other [3 countries and (or) localities]	0	0	0	39	19	105,000
Total	592	169	956,000	7,290	2,390	11,300,000
Total ferrosilicon	12,700	8,870	21,300,000	119,000	81,800	206,000,000

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 6. U.S. imports of 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	September			January–September 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)	18,800	23	23	1,480,000
Germany	103	103	7,350,000	555	555	47,700,000
Japan	1	1	219,000	40	40	4,720,000
Korea, Republic of	11	11	399,000	78	78	2,180,000
Laos	12	12	776,000	16	16	1,050,000
Malaysia	533	533	8,200,000	3,870	3,870	59,600,000
Norway	0	0	0	4	4	49,600
Taiwan	27	27	2,640,000	216	216	22,400,000
Vietnam	0	0	0	23	23	1,130,000
Other [9 countries and (or) localities]	0	0	8,060	11	11	2,570,000
Total	687	687	19,600,000	5,160	5,160	144,000,000
99.00%–99.99% silicon (2804.69.1000) ³						
Angola	0	0	0	1,600	1,590	3,330,000
Australia	0	0	0	7,550	7,510	23,000,000
Brazil	4,820	4,790	15,800,000	51,200	50,800	162,000,000
Canada	1,850	1,830	6,340,000	19,100	18,900	65,000,000
China	0	0	0	602	597	1,320,000
Hong Kong	0	0	0	2,450	2,430	4,130,000
Laos	0	0	0	2,630	2,620	5,490,000
Malaysia	0	0	0	8,090	8,040	18,600,000
Norway	467	464	1,300,000	11,600	11,500	35,500,000
United Kingdom	22	22	38,100	358	355	687,000
Other [8 countries and (or) localities]	108	107	253,000	1,180	1,170	2,420,000
Total	7,270	7,220	23,800,000	106,000	106,000	322,000,000
Other silicon (2804.69.5000) ³						
Angola	0	0	0	1,230	946	1,760,000
Australia	0	0	0	196	193	560,000
Belgium	0	0	0	128	125	695,000
Brazil	787	768	1,780,000	10,300	9,960	29,400,000
China	0	0	0	273	268	764,000
Georgia	0	0	0	940	927	1,960,000
Hong Kong	0	0	0	373	190	360,000
Malaysia	0	0	0	181	179	417,000
Netherlands	0	0	0	162	101	534,000
Norway	327	322	958,000	2,250	2,020	5,680,000
Other [10 countries and (or) localities]	66	64	228,000	557	495	1,740,000
Total	1,180	1,150	2,960,000	16,600	15,400	43,900,000
Total silicon metal	9,140	9,060	46,300,000	128,000	126,000	510,000,000

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.