

Mineral Industry Surveys

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SILICON IN DECEMBER 2025

Production and ending stocks of silicon alloys and metal in December 2025 were withheld to avoid disclosing company proprietary information. Net shipments of silicon alloys and metal were 18,600 metric tons (t) in December 2025, 6% more than those in November 2025 and 7% less than those in December 2024 (table 1).

On a silicon content basis, total ferrosilicon imports were 4,610 t in December 2025, 37% less than those in November 2025 and 15% less than those in December 2024 (fig. 1, table 5). Total silicon metal imports, on a silicon content basis, were 12,500 t in December 2025, 15% less than those in November 2025 and 15% more than those in December 2024 (fig. 1, table 6).

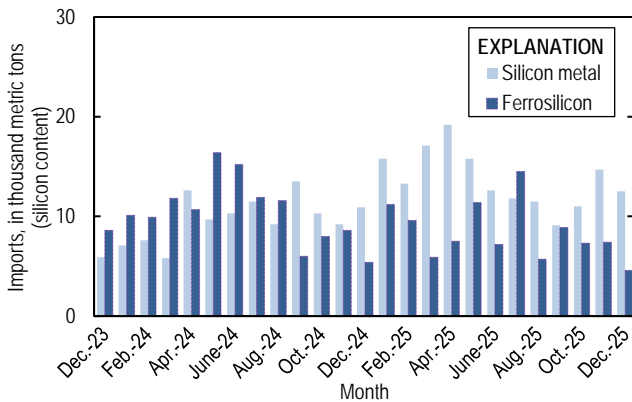


Figure 1. Ferrosilicon and silicon metal imports from December 2023 through December 2025. Source: U.S. Census Bureau.

In December 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 (1,530), Japan (1,200 t), and Malaysia (936 t) (table 4). In December 2025, the leading import sources for ferrosilicon, on a silicon content basis in descending order of quantity, 55%–80% grade, were Bhutan (890 t), Canada (742 t), and Iceland (708 t) and the leading import sources for silicon metal, 99.00%–99.99% silicon trade category, were Brazil (6,440 t), Canada (3,000 t), and Vietnam (793 t) (tables 5, 6).

Prices

The average U.S. spot price for ferrosilicon, 75% grade silicon content, was 117.50 cents per pound in December 2025, 8% less than the average price in November 2025 and 4% less than the average price December 2024. The average U.S. spot price for silicon metal was 142.00 cents per pound in December 2025, 1% more than the average price in November 2025 and 5% more than the average price in December 2024 (fig. 2, table 2).

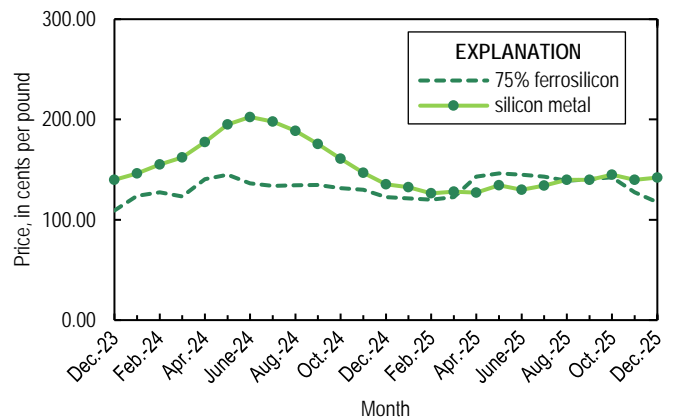


Figure 2. Average monthly spot prices for ferrosilicon, 75% grade silicon content, and silicon metal from December 2023 through December 2025. Source: S&P Global Platts Metals Week.

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			
December	W	20,000	W
January–December	W	234,000	W
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
October	W	W	W
November	W	17,600	W
December	W	18,600	W
January–December	W	223,000	W

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

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

Product	Currency	Low	Average	High
Ferrosilicon (75%) ¹	cents per pound	115.00	117.50	120.00
Silicon metal, 553 grade ²	cents per pound	135.00	142.00	150.00

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	December			January–December 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	34	20	84,800	674	404	1,510,000
France	40	27	86,000	100	67	259,000
Germany	15	10	12,600	55	40	60,200
India	0	0	0	205	149	372,000
Japan	0	0	0	22	16	17,700
Mexico	18	11	45,000	151	94	413,000
Netherlands	0	0	0	433	260	249,000
Slovenia	0	0	0	20	15	35,600
Sweden	0	0	0	41	24	48,600
Other [3 countries and (or) localities]	0	0	0	17	10	37,100
Total	108	69	228,000	1,730	1,090	3,030,000
Other ferrosilicon (7202.29.0000) ²						
Belgium	36	16	28,800	324	144	275,000
Brazil	0	0	0	156	78	426,000
Canada	32	16	100,000	497	215	1,370,000
Germany	5	2	5,200	85	39	165,000
India	0	0	0	100	50	138,000
Malaysia	0	0	0	119	59	183,000
Mexico	11	5	50,400	375	186	1,160,000
Spain	59	25	69,000	125	55	197,000
Sweden	0	0	0	40	18	47,600
Switzerland	0	0	0	49	23	107,000
Other [3 countries and (or) localities]	2	1	5,160	57	28	186,000
Total	145	66	259,000	1,930	897	4,250,000
Total ferrosilicon	252	135	487,000	3,650	1,980	7,280,000

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	December			January–December ¹		
	Gross weight	Silicon content	Value (dollars)	Gross weight	Silicon content	Value (dollars)
Metal						
More than 99.99% silicon (2804.61.0000) ²						
China	0	0	0	2,480	2,480	35,800,000
Germany	81	81	6,290,000	1,620	1,620	100,000,000
Indonesia	48	48	247,000	764	764	12,000,000
Japan	1,200	1,200	54,900,000	7,630	7,630	382,000,000
Korea, Republic of	34	34	1,420,000	916	916	36,900,000
Malaysia	936	936	18,400,000	3,780	3,780	43,300,000
Singapore	(³)	(³)	24,100	555	555	13,500,000
Taiwan	41	41	1,120,000	1,390	1,390	13,700,000
Thailand	136	136	492,000	454	454	1,740,000
Vietnam	1,530	1,530	28,800,000	14,400	14,400	296,000,000
Other [30 countries and (or) localities]	133	133	844,000	877	877	7,500,000
Total	4,140	4,140	113,000,000	34,800	34,800	942,000,000
99.00%–99.99% silicon (2804.69.1000) ²						
Belgium	0	0	0	72	71	66,500
France	0	0	0	51	50	71,800
Germany	0	0	0	11	11	16,100
Israel	0	0	0	11	11	15,000
Malaysia	3	3	4,840	90	90	128,000
Mexico	0	0	0	72	72	102,000
Netherlands	7	7	10,500	104	103	120,000
Norway	0	0	0	96	95	88,700
Singapore	0	0	0	36	35	50,200
Slovakia	0	0	0	59	58	57,400
Other [11 countries and (or) localities]	2	2	3,480	42	42	59,600
Total	13	13	18,800	644	639	775,000
Other silicon (2804.69.5000) ²						
Belgium	0	0	0	20	19	31,300
Canada	36	35	45,500	478	464	483,000
China	0	0	0	21	20	27,600
Ecuador	0	0	0	14	14	35,000
Mexico	10	10	10,000	132	128	319,000
Panama	16	15	20,500	83	80	126,000
Philippines	0	0	0	35	34	141,000
South Africa	0	0	0	179	174	236,000
Trinidad and Tobago	0	0	0	88	86	132,000
Vietnam	380	369	3,540,000	1,790	1,730	18,600,000
Other [8 countries and (or) localities]	9	9	12,200	31	30	78,600
Total	450	438	3,630,000	2,870	2,780	20,200,000
Total silicon metal	4,600	4,590	116,000,000	38,400	38,300	963,000,000

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 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	December			January–December 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	92	7	35,200	240	44	190,000
France	190	114	685,000	579	354	2,050,000
India	0	0	0	18	14	31,300
South Africa	0	0	0	128	81	367,000
Spain	0	0	0	4	3	9,050
Thailand	0	0	0	24	14	41,300
Total	282	121	720,000	993	509	2,690,000
55%–80% silicon, other (7202.21.5000) ³						
Azerbaijan	586	436	747,000	13,500	10,000	17,600,000
Bhutan	1,180	890	1,510,000	4,440	3,350	5,770,000
Brazil	127	96	196,000	11,000	8,240	17,600,000
Canada	1,030	742	2,480,000	19,600	14,400	46,000,000
Iceland	914	708	1,400,000	16,800	12,800	25,900,000
India	57	42	108,000	8,780	6,570	12,700,000
Kuwait	351	254	436,000	4,520	3,290	5,630,000
Malaysia	335	244	392,000	6,230	4,630	7,210,000
Norway	0	0	0	6,480	4,860	10,200,000
Vietnam	250	190	326,000	14,800	11,200	21,000,000
Other [15 countries and (or) localities]	241	176	646,000	13,400	9,880	26,500,000
Total	5,070	3,780	8,250,000	120,000	89,300	196,000,000
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	0	0	0	(⁴)	(⁴)	3,520
Total	0	0	0	(⁴)	(⁴)	8,780
Magnesium ferrosilicon (7202.29.0010) ³						
Bhutan	49	25	76,300	49	25	76,300
Brazil	26	12	60,300	2,380	1,050	3,760,000
Canada	728	336	2,020,000	11,200	5,220	32,700,000
France	0	0	0	27	12	79,200
Germany	0	0	0	62	28	183,000
India	44	20	73,800	1,410	629	2,660,000
Mexico	20	10	50,000	243	119	548,000
Spain	0	0	0	46	21	43,300
Thailand	114	58	183,000	2,140	881	3,500,000
United Kingdom	0	0	0	51	24	102,000
Other [1 country and (or) locality]	0	0	0	4	2	4,140
Total	981	461	2,460,000	17,700	8,020	43,600,000
Other ferrosilicon (7202.29.0050) ³						
Canada	534	133	895,000	8,250	2,650	13,000,000
China	10	5	52,200	112	51	246,000
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	8	4	18,200	62	30	137,000
Norway	136	60	88,800	333	129	277,000
Slovakia	117	17	209,000	429	62	782,000
South Africa	0	0	0	38	6	35,000
Thailand	54	28	96,100	99	53	176,000
Other [3 countries and (or) localities]	9	4	46,000	47	23	151,000
Total	868	251	1,410,000	9,520	3,060	15,100,000
Total ferrosilicon	7,200	4,610	12,800,000	148,000	101,000	258,000,000

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	December			January–December 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)	74,700	27	27	1,900,000
Germany	61	61	4,520,000	659	659	58,000,000
Japan	29	29	1,480,000	74	74	6,870,000
Korea, Republic of	0	0	0	78	78	2,180,000
Laos	150	150	358,000	189	189	1,510,000
Malaysia	691	691	11,100,000	5,420	5,420	84,400,000
Singapore	0	0	0	14	14	61,100
Taiwan	13	13	1,280,000	289	289	29,200,000
Vietnam	1	1	86,500	29	29	1,380,000
Other [10 countries and (or) localities]	0	0	0	13	13	2,650,000
Total	946	946	18,900,000	7,110	7,110	189,000,000
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	6,490	6,440	20,700,000	72,800	72,200	231,000,000
Canada	3,020	3,000	9,330,000	26,500	26,300	88,500,000
France	0	0	0	1,120	1,110	2,280,000
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	8,200	8,150	18,800,000
Norway	0	0	0	12,800	12,700	39,000,000
Vietnam	800	793	1,430,000	1,640	1,630	3,000,000
Other [8 countries and (or) localities]	18	18	54,600	1,740	1,720	3,650,000
Total	10,300	10,200	31,500,000	139,000	138,000	422,000,000
Other silicon (2804.69.5000) ³						
Angola	0	0	0	1,230	946	1,760,000
Australia	0	0	0	198	195	567,000
Brazil	1,290	1,250	3,560,000	13,500	13,100	37,700,000
Canada	0	0	0	219	212	687,000
China	2	2	5,640	276	271	776,000
France	0	0	0	237	231	630,000
Georgia	0	0	0	940	927	1,960,000
Hong Kong	0	0	0	373	190	360,000
Netherlands	(⁴)	(⁴)	2,870	199	120	716,000
Norway	21	20	91,300	2,490	2,250	6,350,000
Other [12 countries and (or) localities]	74	71	237,000	945	854	3,110,000
Total	1,380	1,350	3,890,000	20,600	19,300	54,600,000
Total silicon metal	12,600	12,500	54,200,000	167,000	164,000	666,000,000

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.