

Mineral Industry Surveys

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SILICON IN APRIL 2025

Domestic net shipments of silicon alloys and metal were 21,200 metric tons (t), gross weight, in April 2025, 10% more than those in March 2025. Ending stocks were 20,700 t in April 2025. Production data were withheld to avoid disclosing company proprietary information (table 1).

On a silicon content basis, total ferrosilicon imports were 7,450 t in April 2025, 26% more than those in March 2025 and 30% less than those in April 2024 (fig. 1, table 4). Total silicon metal imports, on a silicon content basis, were 19,200 t in April 2025, 13% more than those in March 2025 and 53% more than those in April 2024 (fig. 1, table 5).

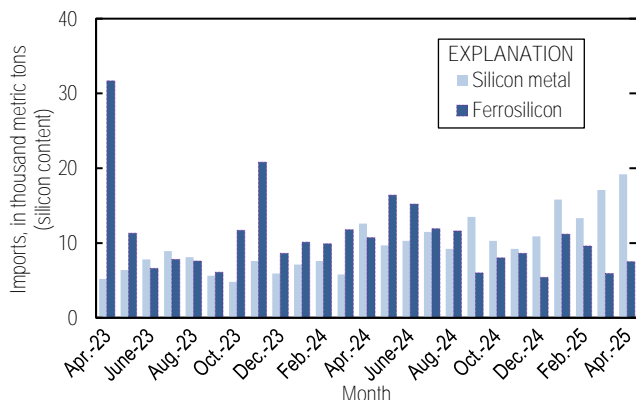


Figure 1. Ferrosilicon and silicon metal imports from April 2023 through April 2025. Source: U.S. Census Bureau.

In April 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 (1,900 t), Japan (531 t), and China (127 t) (table 3). In April 2025, the leading import sources for ferrosilicon, on a silicon content basis in descending order of quantity, 55%–80% grade, were Brazil (1,580 t), Vietnam (1,020 t), and Canada (634 t) and the leading import sources for silicon metal, 99.00%–99.99% silicon trade category, were Brazil (6,480 t), Malaysia (3,510 t), and Australia (1,810 t) (tables 4, 5).

Prices

The average U.S. spot price for ferrosilicon, 75% grade silicon content, was 143.00 cents per pound in April 2025, 17% more than the average price in March 2025 and slightly more than the average price in April 2024. The average U.S. spot price for silicon metal was 127.20 cents per pound in April 2025 compared with 128.13 cents per pound in March 2025 and 28% less than the average price in April 2024 (fig. 2, table 2).

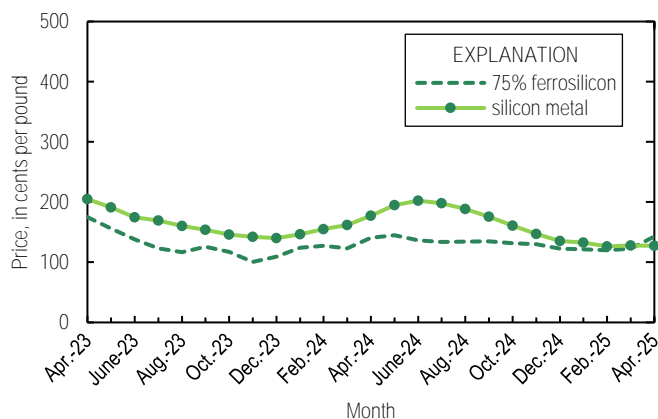


Figure 2. Average monthly spot prices for ferrosilicon, 75% grade silicon content, and silicon metal from April 2023 through April 2025. Source: S&P Global Platts Metals Week.

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. 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			
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–April	W	W	W
2025			
January	W	W	W
February	W	20,300 ^r	W
March	W	19,300 ^r	W
April	W	21,200	20,700
January–April	W	W	20,700

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

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

Product	Currency	Low	Average	High
Ferrosilicon (75%) ¹	cents per pound	125.00	143.00	160.00
Silicon metal, 553 grade ²	cents per pound	120.00	127.20	133.00

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	April			January–April 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	78	47	179,000	291	174	624,000
France	0	0	0	40	27	106,000
Israel	3	2	5,070	3	2	5,070
Japan	0	0	0	2	1	4,000
Mexico	5	3	16,100	34	20	106,000
Netherlands	120	72	62,300	200	120	121,000
Sweden	18	11	8,400	18	11	8,400
Total	224	134	271,000	595	360	989,000
Other ferrosilicon (7202.29.0000)						
Belgium	54	24	45,900	126	56	107,000
Brazil	39	19	106,000	78	39	213,000
Canada	58	29	159,000	224	98	543,000
China	6	3	11,900	6	3	11,900
Malaysia	0	0	0	115	58	180,000
Mexico	43	22	114,000	102	50	321,000
Singapore	0	0	0	21	11	93,500
Spain	0	0	0	8	3	7,500
Total	201	98	437,000	680	318	1,480,000
Total ferrosilicon	425	232	708,000	1,280	678	2,460,000
Metal						
More than 99.99% silicon (2804.61.0000) ²						
China	127	127	3,000,000	573	573	16,800,000
Germany	39	39	3,220,000	925	925	49,800,000
Indonesia	43	43	374,000	43	43	374,000
Japan	531	531	19,900,000	2,010	2,010	89,500,000
Korea, Republic of	80	80	2,460,000	437	437	17,200,000
Malaysia	90	90	1,170,000	2,030	2,030	6,450,000
Peru	0	0	0	71	71	196,000
Singapore	112	112	2,800,000	417	417	10,400,000
Taiwan	24	24	734,000	357	357	5,300,000
Vietnam	1,900	1,900	41,200,000	4,400	4,400	95,300,000
Other [14 countries and (or) localities]	18	18	756,000	70	70	2,660,000
Total	2,960	2,960	75,600,000	11,300	11,300	294,000,000
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	2	2	2,810	4	4	5,610
Hong Kong	0	0	0	3	3	4,250
Ireland	0	0	0	2	2	3,200
Malaysia	5	5	7,430	25	25	34,900
Mexico	0	0	0	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
Other [1 country and (or) locality]	0	0	0	2	2	2,970
Total	7	7	10,200	249	247	313,000
Other silicon (2804.69.5000)						
Canada	5	4	6,030	118	114	125,000
Japan	0	0	0	2	2	2,700
Mexico	14	14	22,200	47	46	137,000
South Africa	35	34	46,600	68	66	89,400
Trinidad and Tobago	0	0	0	5	5	6,400
United Kingdom	(³)	(³)	7,190	5	5	13,900
Vietnam	119	116	1,400,000	328	317	4,200,000
Total	173	168	1,480,000	573	554	4,580,000
Total silicon metal	3,140	3,140	77,100,000	12,100	12,100	299,000,000

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	April			January–April 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	484	355	622,000	3,550	2,650	4,740,000
Brazil	2,110	1,580	3,200,000	3,370	2,520	5,410,000
Canada	862	634	2,680,000	7,240	5,310	16,800,000
Egypt	596	436	779,000	2,080	1,510	3,030,000
Iceland	831	622	1,210,000	3,410	2,590	5,450,000
India	179	128	414,000	1,650	1,160	2,600,000
Kuwait	125	88	139,000	1,720	1,250	2,140,000
Norway	0	0	0	3,510	2,650	5,090,000
Paraguay	100	75	133,000	1,560	1,170	2,120,000
Vietnam	1,350	1,020	1,880,000	7,470	5,660	10,600,000
Other [10 countries and (or) localities]	2,480	1,830	5,400,000	4,760	3,540	10,500,000
Total	9,110	6,770	16,400,000	40,300	30,000	68,500,000
80%–90% ferrosilicon (7202.21.7500)						
Germany	19	16	63,700	19	16	63,700
More than 90% ferrosilicon (7202.21.9000)						
Japan	(⁴)	(⁴)	2,960	(⁴)	(⁴)	5,270
Magnesium ferrosilicon (7202.29.0010)						
Brazil	43	13	83,500	554	241	958,000
Canada	722	337	2,200,000	4,160	1,930	12,500,000
Germany	3	1	7,880	16	7	48,700
India	175	80	358,000	525	239	976,000
Kuwait	0	0	0	4	2	4,140
Mexico	19	9	38,100	65	32	170,000
Spain	46	21	43,300	46	21	43,300
Thailand	63	29	104,000	517	247	897,000
United Kingdom	0	0	0	51	24	102,000
Total	1,070	490	2,830,000	5,930	2,740	15,700,000
Other ferrosilicon (7202.29.0050)						
Belgium	20	11	62,200	20	11	62,200
Canada	501	135	776,000	3,140	1,100	4,780,000
China	18	8	26,400	18	8	26,400
France	0	0	0	9	4	13,300
Germany	0	0	0	16	7	36,600
India	20	9	55,000	24	11	58,000
Japan	2	1	6,320	2	1	6,320
Slovakia	39	6	72,900	156	22	286,000
Thailand	14	8	25,200	14	8	25,200
Total	614	178	1,020,000	3,400	1,170	5,300,000
Total ferrosilicon	10,800	7,450	20,400,000	50,000	34,100	90,300,000

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	April			January–April ²		
	Gross weight	Silicon content	Value (dollars)	Gross weight	Silicon content	Value (dollars)
Metal						
More than 99.99% silicon (2804.61.0000) ³						
Brazil	8	8	29,800	321	321	1,270,000
China	4	4	182,000	16	16	935,000
Germany	55	55	5,410,000	160	160	17,000,000
Japan	2	2	442,000	8	8	2,100,000
Korea, Republic of	(⁴)	(⁴)	7,680	60	60	1,340,000
Malaysia	447	447	6,820,000	2,030	2,030	31,500,000
Norway	0	0	0	3	3	24,200
Spain	0	0	0	1	1	11,700
Taiwan	17	17	1,840,000	95	95	10,000,000
Vietnam	3	3	169,000	3	3	169,000
Other [4 countries and (or) localities]	1	1	522,000	2	2	1,430,000
Total	535	535	15,400,000	2,700	2,700	65,700,000
99.00%–99.99% silicon (2804.69.1000) ³						
Angola	40	40	93,500	664	659	1,510,000
Australia	1,820	1,810	5,590,000	4,800	4,770	14,600,000
Brazil	6,530	6,480	21,000,000	25,000	24,800	78,600,000
Canada	1,490	1,470	4,980,000	8,340	8,280	28,600,000
China	0	0	0	386	383	866,000
Laos	924	919	1,990,000	2,380	2,370	5,010,000
Malaysia	3,530	3,510	8,130,000	5,910	5,870	13,600,000
Norway	940	934	2,630,000	6,110	6,070	19,100,000
United Kingdom	336	333	649,000	336	333	649,000
Vietnam	150	149	303,000	345	343	675,000
Other [4 countries and (or) localities]	192	191	408,000	480	476	1,080,000
Total	16,000	15,800	45,700,000	54,700	54,300	164,000,000
Other silicon (2804.69.5000) ³						
Angola	0	0	0	672	661	1,280,000
Bahrain	78	40	245,000	98	51	311,000
Belgium	26	25	153,000	81	78	453,000
Brazil	2,410	2,370	8,150,000	5,950	5,870	18,300,000
China	0	0	0	225	222	556,000
Georgia	0	0	0	396	390	911,000
Malaysia	180	178	414,000	180	178	414,000
Netherlands	86	48	297,000	86	48	297,000
Norway	199	196	514,000	983	770	2,200,000
South Africa	0	0	0	25	24	49,500
Other [7 countries and (or) localities]	2	2	23,900	28	27	150,000
Total	2,980	2,860	9,800,000	8,720	8,320	24,900,000
Total silicon metal	19,500	19,200	71,000,000	66,100	65,300	255,000,000

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.