

MICA (NATURAL), SCRAP AND FLAKE STATISTICS¹
U.S. GEOLOGICAL SURVEY
[All values in metric tons (t) gross weight unless otherwise noted]
Last modification: November 2, 2012

Year	Production	Imports	Exports	Stocks	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)	World production
1906	NA	NA	NA	NA	NA	NA	NA	14,800
1907	NA	NA	NA	NA	NA	NA	NA	19,600
1908	NA	NA	NA	NA	NA	NA	NA	25,500
1909	NA	NA	NA	NA	NA	NA	NA	29,500
1910	NA	NA	NA	NA	4,500	NA	NA	27,500
1911	NA	NA	NA	NA	3,770	NA	NA	30,600
1912	NA	156	NA	NA	3,560	NA	NA	35,000
1913	NA	132	NA	NA	5,600	NA	NA	40,600
1914	NA	184	NA	NA	3,780	NA	NA	NA
1915	NA	156	NA	NA	3,970	NA	NA	NA
1916	NA	164	NA	NA	4,540	NA	NA	NA
1917	NA	42.2	NA	NA	3,590	NA	NA	NA
1918	NA	5.26	NA	NA	2,630	NA	NA	NA
1919	NA	0	NA	NA	23.9	NA	NA	NA
1920	NA	0	NA	NA	42.5	NA	NA	NA
1921	NA	61.1	NA	NA	61.10	NA	NA	NA
1922	NA	142	NA	NA	142	NA	NA	NA
1923	4,470	847	NA	NA	5,320	83.5	795	NA
1924	4,950	609	NA	NA	5,560	87.4	833	NA
1925	4,470	431	NA	NA	4,900	85.4	791	15,900
1926	4,410	63.8	NA	NA	4,480	69.0	633	12,100
1927	5,260	0.00	NA	NA	5,260	80.6	753	12,500
1928	5,600	0.068	NA	NA	5,600	81.1	772	18,900
1929	4,100	0.463	NA	NA	4,100	95.3	907	18,800
1930	6,830	1,670	NA	NA	8,500	51.6	505	10,100
1931	7,080	1,880	NA	NA	8,960	61.6	660	10,600
1932	6,990	1,230	NA	NA	8,220	44.5	531	10,300
1933	8,920	1,710	NA	NA	10,600	44.7	562	13,500
1934	7,270	3,320	NA	NA	10,600	55.5	676	12,000
1935	16,600	2,720	NA	NA	19,300	32.7	388	18,200
1936	22,900	3,590	NA	NA	26,500	31.5	371	23,100
1937	24,700	6,140	1,390	NA	29,500	34.0	386	31,300
1938	24,600	4,110	1,260	NA	27,400	37.6	435	23,300
1939	28,100	4,030	1,360	NA	30,700	41.2	484	28,500
1940	25,400	2,890	641	NA	27,600	40.0	466	24,600
1941	39,400	1,220	798	NA	39,800	38.9	431	32,300
1942	42,600	2,400	655	NA	44,400	38.8	388	45,700
1943	46,800	2,240	434	NA	48,600	42.5	401	48,900
1944	47,800	2,430	377	NA	49,900	40.0	371	51,500
1945	47,000	3,410	679	NA	49,700	42.5	386	42,600
1946	56,300	6,000	1,040	NA	61,300	44.7	372	57,300
1947	58,500	5,410	1,060	NA	62,900	50.7	370	53,200
1948	58,600	8,960	1,030	NA	66,600	55.1	372	60,200
1949	50,300	1,840	872	NA	51,200	56.9	390	38,000
1950	65,500	4,250	1,160	NA	68,600	60.0	406	71,800
1951	63,600	5,690	1,420	NA	67,900	60.4	380	80,400
1952	67,900	6,140	1,890	NA	72,100	63.0	387	82,200
1953	66,200	3,710	2,070	NA	67,900	63.3	386	76,400
1954	72,600	4,310	2,750	NA	74,100	67.4	408	89,300
1955	96,200	8,580	2,630	NA	102,000	68.2	416	105,000
1956	82,600	6,580	4,040	NA	85,100	75.4	452	96,700

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U.S. GEOLOGICAL SURVEY
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Year	Production	Imports	Exports	Stocks	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)	World production
1957	87,100	4,730	4,200	NA	87,600	69.7	403	102,000
1958	88,900	3,710	3,720	NA	88,900	62.5	353	101,000
1959	97,100	4,230	4,040	NA	97,300	58.2	325	111,000
1960	90,700	5,680	3,210	NA	93,200	57.2	315	116,000
1961	93,400	2,750	3,210	NA	93,000	58.5	318	NA
1962	103,000	4,080	3,370	NA	104,000	62.7	337	NA
1963	106,000	7,410	3,290	NA	110,000	64.1	341	NA
1964	105,000	2,490	3,750	NA	104,000	65.6	345	NA
1965	115,000	1,360	3,540	NA	113,000	66.1	341	NA
1966	93,400	1,180	4,540	13,600	93,400	66.9	336	NA
1967	88,000	463	6,350	2,720	99,800	65.4	319	NA
1968	101,000	1,450	4,990	4,540	110,000	70.2	330	NA
1969	113,000	1,360	4,540	2,720	120,000	71.1	316	153,000
1970	108,000	2,720	1,810	2,720	108,000	68.1	286	149,000
1971	108,000	3,630	3,630	4,540	108,000	76.7	309	156,000
1972	118,000	907	4,540	25,400	118,000	75.0	292	189,000
1973	124,000	2,720	4,540	13,600	124,000	76.1	279	249,000
1974	106,000	2,720	4,540	18,100	122,000	95.8	317	218,000
1975	104,000	4,540	4,540	8,160	103,000	89.5	271	215,000
1976	104,000	1,810	5,440	6,350	101,000	97.8	280	206,000
1977	111,000	1,810	7,260	6,350	105,000	108	289	244,000
1978	112,000	3,630	8,160	6,350	108,000	122	306	256,000
1979	111,000	7,260	10,900	9,980	107,000	137	308	236,000
1980	101,000	8,160	12,700	6,350	96,200	148	292	214,000
1981	106,000	9,980	9,980	6,350	106,000	164	295	142,000
1982	87,100	7,260	9,980	6,350	84,400	185	312	122,000
1983	118,000	6,350	9,070	6,350	115,000	159	260	237,000
1984	132,000	10,900	7,260	6,350	136,000	161	253	255,000
1985	123,000	9,070	8,160	6,350	124,000	171	259	238,000
1986	112,000	10,000	7,000	7,000	115,000	195	290	252,000
1987	113,000	10,000	5,000	7,000	118,000	198	284	288,000
1988	109,000	12,000	6,000	7,000	115,000	217	299	254,000
1989	101,000	13,000	5,000	7,000	109,000	222	292	253,000
1990	101,000	13,000	5,000	7,000	105,000	223	278	207,000
1991	75,000	11,000	4,000	7,000	84,000	231	276	192,000
1992	84,000	12,000	4,000	7,000	95,000	258	300	180,000
1993	92,000	14,000	5,000	7,000	105,000	293	331	180,000
1994	95,000	18,000	6,000	14,000	97,000	302	332	214,000
1995	98,000	22,000	7,000	13,000	112,000	253	271	242,000
1996	103,000	18,000	8,000	7,000	107,000	326	339	225,000
1997	110,000	23,200	8,130	NA	122,000	337	342	315,000
1998	104,000	22,800	8,050	NA	137,000	300	300	289,000
1999	111,000	25,700	11,300	NA	125,000	329	322	278,000
2000	112,000	28,300	10,300	NA	119,000	335	317	328,000
2001	89,000	32,300	9,300	418	121,000	316	291	369,000
2002	98,000	38,000	9,810	417	106,000	349	316	278,000
2003	94,000	35,000	10,000	404	103,000	400	354	279,000
2004	99,200	42,000	10,000	NA	131,000	358	309	400,000
2005	78,000	36,000	9,000	NA	105,000	354	295	359,000
2006	110,000	45,200	7,230	NA	148,000	332	268	1,090,000
2007	96,600	41,000	7,710	NA	130,000	368	289	1,120,000

MICA (NATURAL), SCRAP AND FLAKE STATISTICS¹

U.S. GEOLOGICAL SURVEY

[All values in metric tons (t) gross weight unless otherwise noted]

Last modification: November 2, 2012

Year	Production	Imports	Exports	Stocks	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)	World production
2008	85,300	24,600	9,070	NA	101,000	512	388	1,140,000
2009	51,200	19,900	8,030	NA	63,100	562	427	1,020,000
2010	52,800	26,400	6,490	NA	72,700	731	547	1,080,000
2011	50,000	27,500	5,870	NA	71,600	614	454	1,090,000

NA Not available.

¹Compiled by C.A. DiFrancesco (retired), J.B. Hedrick (retired), and J.C. Willett.

Data are calculated, estimated, or reported. See notes for more information.

MICA (NATURAL), SHEET STATISTICS¹

U.S. GEOLOGICAL SURVEY

[All values in metric tons (t) gross weight unless otherwise noted]

Last modification: November 2, 2012

Year	Production	Imports	Exports	Stocks	Shipments	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)	World production
1900	207	887	NA	NA	NA	6,080	448	8,800	1,140
1901	163	761	NA	NA	NA	2,890	605	12,000	1,320
1902	169	1,020	NA	NA	NA	2,460	495	9,300	1,280
1903	281	645	NA	NA	NA	2,430	420	7,600	1,410
1904	303	520	NA	NA	NA	1,820	361	6,600	1,320
1905	420	723	NA	NA	NA	2,160	383	7,000	1,600
1906	646	1,390	NA	NA	NA	3,390	391	7,100	3,330
1907	481	1,060	NA	NA	NA	4,290	726	13,000	3,250
1908	441	249	NA	NA	NA	2,880	530	9,600	3,180
1909	821	838	NA	NA	NA	5,390	286	5,200	2,590
1910	1,120	890	NA	NA	NA	5,730	243	4,300	2,650
1911	856	603	189	NA	NA	4,530	353	6,200	2,850
1912	384	902	162	NA	NA	4,190	728	12,000	2,830
1913	771	929	135	NA	NA	6,590	463	7,630	3,520
1914	253	164	212	NA	NA	3,970	1,100	17,900	2,380
1915	251	197	24.6	NA	NA	4,360	1,500	24,200	1,720
1916	393	319	28.7	NA	NA	5,130	1,340	20,000	3,220
1917	579	298	5.34	NA	NA	4,060	1,300	16,600	3,380
1918	746	336	NA	NA	NA	3,000	981	10,600	3,860
1919	701	328	NA	NA	NA	1,930	690	6,510	NA
1920	764	589	NA	NA	NA	2,650	716	5,820	NA
1921	336	149	NA	NA	NA	1,010	352	3,200	NA
1922	489	0	NA	NA	NA	489	397	3,850	NA
1923	936	2,480	NA	NA	NA	3,410	333	3,170	NA
1924	663	212	NA	NA	NA	875	320	3,050	NA
1925	814	1,980	NA	NA	NA	2,790	396	3,700	6,710
1926	985	3,110	NA	NA	NA	4,100	406	3,720	6,360
1927	686	1,490	NA	NA	NA	2,180	310	2,900	5,780
1928	763	1,670	NA	NA	NA	2,440	303	2,890	6,910
1929	923	3,180	NA	NA	NA	4,100	309	2,940	7,660
1930	665	1,660	NA	NA	NA	2,330	265	2,600	5,650
1931	437	749	NA	608	NA	578	265	2,840	3,620
1932	154	552	NA	824	NA	489	309	3,680	2,880
1933	165	755	NA	739	NA	1,010	331	4,150	3,460
1934	265	1,320	NA	604	NA	1,720	331	4,030	5,850
1935	425	1,710	NA	619	NA	2,120	375	4,460	8,760
1936	598	2,470	NA	706	NA	2,980	331	3,880	7,940
1937	748	4,600	238	2,020	NA	3,800	375	4,250	11,400
1938	426	1,110	343	757	NA	2,450	331	3,830	8,070
1939	369	1,670	296	1,580	NA	919	375	4,400	8,610
1940	737	4,090	179	2,460	NA	3,771	397	4,620	9,690
1941	1,210	6,310	258	4,180	NA	7,260	463	5,130	14,100
1942	1,250	4,350	253	2,600	NA	8,850	573	5,730	12,200
1943	1,560	6,350	195	2,050	NA	11,600	2,070	19,500	11,300
1944	691	4,140	185	1,810	NA	4,650	4,720	43,700	8,360
1945	589	5,120	198	1,390	NA	5,500	1,260	11,500	8,810
1946	489	4,270	354	3,550	NA	6,790	441	3,680	11,900
1947	189	3,630	291	2,880	NA	5,090	617	4,500	10,900
1948	122	8,870	244	1,690	NA	8,750	375	2,530	14,700
1949	233	9,720	97.9	1,980	NA	9,820	573	3,920	12,700
1950	263	12,500	239	2,790	NA	12,600	485	3,280	16,200

MICA (NATURAL), SHEET STATISTICS¹

U.S. GEOLOGICAL SURVEY

[All values in metric tons (t) gross weight unless otherwise noted]

Last modification: November 2, 2012

Year	Production	Imports	Exports	Stocks	Shipments	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)	World production
1951	270	11,500	296	4,690	NA	11,400	595	3,720	19,200
1952	317	6,000	375	3,990	NA	5,660	2,870	17,600	11,300
1953	385	5,920	110	3,230	-71.6	6,540	5,600	34,100	11,000
1954	303	3,790	272	2,510	-90.2	3,820	7,890	47,800	9,560
1955	291	4,200	372	2,990	-106	6,300	11,600	70,700	11,900
1956	403	4,350	404	2,470	-99.2	5,770	6,840	41,000	12,000
1957	313	4,310	659	2,390	-86.9	5,160	7,960	46,300	12,600
1958	300	4,820	583	1,680	-95.4	3,710	9,490	53,600	11,900
1959	320	4,580	585	1,540	-127	4,540	10,700	59,800	12,900
1960	266	4,340	429	1,430	-120	4,080	11,700	64,300	13,100
1961	239	2,970	238	1,270	-102	3,650	14,200	77,600	NA
1962	165	5,370	285	1,690	-46.0	4,330	7,890	42,600	NA
1963	46.7	4,640	362	1,400	0	4,070	278	1,480	NA
1964	110	5,040	374	3,450	0	4,640	526	2,770	NA
1965	279	5,430	237	4,820	0	4,950	661	3,420	NA
1966	3.63	4,690	372	2,340	0	4,500	287	1,440	NA
1967	9.98	3,050	27.2	1,840	0	3,560	1,450	7,070	NA
1968	7.26	2,900	454	1,580	0	2,910	1,470	6,900	9,250
1969		3,080	635	1,570	0	2,980	1,280	5,680	11,400
1970	0	2,340	318	1,200	562	2,960	1,200	5,040	8,850
1971	7.71	2,570	1,060	962	726	2,490	1,320	5,310	10,200
1972	6.35	2,750	3,070	1,140	2,970	2,480	1,210	4,720	11,400
1973	13.6	2,180	2,930	916	3,430	2,920	1,020	3,740	13,400
1974	9.07	2,650	3,510	1,780	4,870	4,010	1,230	4,070	18,600
1975	2.27	2,130	1,190	1,840	1,560	2,440	1,480	4,480	51,300
1976	2.27	1,530	762	1,690	1,600	1,610	1,610	4,610	20,100
1977	0	1,210	363	1,960	1,510	2,080	1,570	4,220	22,600
1978	0	2,060	181	2,360	1,150	2,620	1,430	3,580	8,300
1979	0	2,210	635	2,400	802	2,360	1,810	4,060	7,760
1980	0	2,650	1,090	2,430	1,490	2,060	1,740	3,440	9,370
1981	0	1,890	782	1,930	451	2,070	1,640	2,940	6,240
1982	0	1,770	748	2,090	383	1,240	1,990	3,360	7,510
1983	0	1,190	549	1,850	116	1,000	1,740	2,850	6,210
1984	0	1,060	868	1,710	776	1,110	1,890	2,970	6,210
1985	0	1,210	756	1,850	788	1,100	2,060	3,120	6,170
1986	0	1,800	974	1,640	0	1,030	2,080	3,090	7,390
1987	0	1,860	768	1,820	65.0	986	1,940	2,780	7,390
1988	0	2,350	875	2,230	55.0	1,120	1,930	2,660	12,200
1989	0	2,750	475	2,270	8.00	2,240	1,850	2,430	12,500
1990	0	2,700	760	2,310	32.0	1,930	2,190	2,730	7,300
1991	0	2,340	616	2,250	2.00	1,780	2,120	2,540	6,600
1992	0	3,460	606	3,120	264	2,250	2,090	2,430	6,200
1993	0	4,310	909	502	165	2,180	2,110	2,380	5,400
1994	0	2,610	1,000	503	134	1,740	2,170	2,390	5,400
1995	0	4,230	935	466	511	3,800	2,450	2,620	3,800
1996	0	6,330	831	416	1,110	6,540	2,120	2,200	3,800
1997	0	5,760	1,060	445	326	5,030	1,970	2,000	3,800
1998	0	4,380	1,280	424	557	3,660	1,890	1,890	3,700
1999	0	4,550	1,290	411	708	3,980	1,830	1,790	5,200
2000	0	5,430	1,150	514	1,230	5,500	2,030	1,920	5,200
2001	0	4,290	1,160	515	901	4,990	1,890	1,740	5,200

MICA (NATURAL), SHEET STATISTICS¹

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Year	Production	Imports	Exports	Stocks	Shipments	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)	World production
2002	0	1,580	723	436	894	1,750	2,050	1,800	5,200
2003	0	1,130	917	513	1,670	1,390	1,940	1,710	5,200
2004	0	1,400	1,090	514	18	328	2,890	2,490	5,200
2005	0	1,390	1,430	505	38	3	1,840	1,540	5,200
2006	0	1,770	1,390	505	6	380	721	583	5,200
2007	0	1,950	1,300	0	7	650	1,900	1,500	5,200
2008	0	1,900	2,060	0	0	NA	3,580	2,710	5,200
2009	0	1,500	1,110	0	0	390	6,290	4,780	5,200
2010	0	1,980	932	0	0	1,050	3,550	2,650	5,200
2011	0	2,190	1,040	0	0	1,150	1,480	1,090	5,200

NA Not available.

¹Compiled by C.A. DiFrancesco (retired), J.B. Hedrick (retired), and J.C. Willett.

Data are calculated, estimated, or reported. See notes for more information.

Mica Worksheet Notes

Data Sources

The sources of data for the mica worksheet are the mineral statistics publications of the U.S. Bureau of Mines (USBM) and the U.S. Geological Survey—Minerals Yearbook (MYB) and its predecessor, Mineral Resources of the United States (MR); Mineral Commodity Summaries (MCS) and its predecessor, Commodity Data Summaries (CDS); and USBM Information Circular 8125 (Skow, 1962) (IC 8125). The years of publication and corresponding years of data coverage are listed in the References section below.

Mica (Natural), Scrap and Flake

Production

Production data report the amount of ground mica sold or used by producers in the United States. Data were from the MR and the MYB. Data were not available for 1906–22.

Imports

Import data report the amount of mica powder and waste imported into the United States. Data were from the MR and the MYB. Data were not available for 1906–11. Data for 1919–20 were less than 1 metric ton (t).

Exports

Export data report the amount of mica powder and waste exported from the United States. Data were from the MR and the MYB. Data were not available for 1906–36.

Stocks

Stocks data report the amount of producer and/or consumer natural scrap and flake mica held in stocks. Data for 1966–96 are from the CDS and the MCS. Data were not available for 1900–65, 1997–2000, and 2005 to the most recent year.

Apparent Consumption

Data for 1910–18 and 1966 to the most recent year were taken from the MR and the MYB. Apparent consumption was estimated for 1921–65 by using the formula:

$$\text{APPARENT CONSUMPTION} = \text{PRODUCTION} + \text{IMPORTS} - \text{EXPORTS} \pm \text{STOCK CHANGES.}$$

Apparent consumption was interpolated for 1919–20. Data were not available for 1906–09.

Unit Value (\$/t)

Unit value is the value in dollars of 1 t of natural ground mica apparent consumption. Data were from the MR and the MYB. Unit values for 1998 to the most recent year were based on the value in dollars of imports of scrap and flake mica. Import data were from the U.S. International Trade Commission. Data were not available for 1906–22.

Unit Value (98\$/t)

The Consumer Price Index conversion factor, with 1998 as the base year, is used to adjust unit value in current U.S. dollars to the unit value in constant 1998 U.S. dollars. Data were not available for 1906–22.

World Production

World production data were for natural scrap and flake mica produced. Data were from the MR and the MYB for 1906–13 and 1969 to the most recent year and from IC 8125 for 1925–60. Data were not available for 1914–24 and 1961–68.

Mica (Natural), Sheet

Production

Production data report the amount of natural sheet mica sold or used in the United States. Data were from the MR and the MYB for 1900–64 and from the CDS and the MCS for 1965–68, 1971–76, and 1977 to the most recent year. Data were not available for 1969–70. For 1977 to the most recent year, data were less than ½ metric ton (t) and were rounded to zero.

Imports

Import data report the amount of natural sheet mica imported into the United States. Data were from the MR and the MYB for 1900–64 and from the CDS and the MCS for 1965 to the most recent year.

Exports

Export data report the amount of natural sheet mica exported from the United States. Data were not available for 1900–10 and 1918–36. Data were from the MR and the MYB for 1911–17 and 1937–64 and from the CDS and the MCS for 1965–99. Data for 2000–03 are unpublished revisions provided by the USGS mica commodity specialist. Data for 2004–08 are from the MCS.

Stocks

Stocks data report the amount of natural sheet mica held in stocks. Data were not available for 1900–30. Data were from the MR and the MYB for 1931–64 and from the CDS and the MCS for 1965–90. Data for 1991 to the most recent year are unpublished revisions provided by the USGS mica commodity specialist.

Government Shipments

Government shipments data were for shipments for the U.S. Government stockpile. Negative numbers for government shipments indicate U.S. Government purchases for natural sheet mica. Data were not available for 1900–52. Data were from the MYB for 1953–64 and from the CDS and the MCS for 1965–2000 and 2002. Data for 2001 and 2003 are unpublished revisions provided by the USGS mica commodity specialist. Data for 2004 to the most recent year are from the MCS.

Apparent Consumption

Apparent consumption was taken from the MYB for 1900–16, 1919–21, and 1941–65. Apparent consumption was estimated for 1922–37 and 1939–40 by using the formula:

$$\text{APPARENT CONSUMPTION} = \text{PRODUCTION} + \text{IMPORTS} - \text{EXPORTS} \pm \text{CHANGES IN STOCKS} \pm \text{GOVERNMENT SHIPMENTS.}$$

Apparent consumption was interpolated for 1917–18 and 1938. Data came from the MCS for 1966 to the most recent year. Calculation for 2008 resulted in a negative number.

Unit Value (\$/t)

Unit value is the value in dollars of 1 t of natural sheet mica apparent consumption. Unit value was for sheet mica for 1900–64 and was estimated in actual U.S. dollars for 1965 to the most recent year by averaging the price for block, film, and split mica. Data were from the MR and the MYB for 1900–64 and from the CDS and the MCS for 1965 to the most recent year.

Unit Value (98\$/t)

The Consumer Price Index conversion factor, with 1998 as the base year, is used to adjust unit value in current U.S. dollars to the unit value in constant 1998 U.S. dollars.

World Production

World production data were for natural sheet mica produced. Data were from the MR and the MYB for 1900–18, from IC 8125 for 1925–60 and from the CDS and the MCS for 1968 to the most recent year. Data were not available for 1919–24 and 1961–67.

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