

**TALC AND PYROPHYLLITE STATISTICS<sup>1</sup>**

**U.S. GEOLOGICAL SURVEY**

[All values in metric tons (t) talc and pyrophyllite unless otherwise noted]

Last modification: November 9, 2007

<b>Year</b>	<b>Production</b>	<b>Shipments</b>	<b>Imports</b>	<b>Exports</b>	<b>Stocks</b>	<b>Apparent consumption</b>	<b>Unit value (\$/t)</b>	<b>Unit value (98\$/t)</b>	<b>World production</b>
1900	83,000	83,000	72			83,000	11.00	210	
1901	88,800	88,800	2,170			90,900	10.00	200	
1902	88,900	88,900	2,590			91,500	13.00	240	
1903	78,800	78,800	1,630			80,500	11.00	190	
1904	82,700	82,700	2,970			85,700	11.00	210	118,000
1905	87,700	87,700	3,630			91,300	12.00	220	124,000
1906	109,000	109,000	5,120			115,000	13.00	240	151,000
1907	127,000	127,000	9,130			136,000	12.00	210	191,000
1908	106,000	106,000	6,740			113,000	13.00	240	160,000
1909	118,000	118,000	4,010			122,000	10.00	190	178,000
1910	137,000	137,000	7,600			144,000	12.00	210	202,000
1911	130,000	130,000	6,450			137,000	13.00	220	208,000
1912	144,000	144,000	9,970			154,000	12.00	200	171,000
1913	160,000	160,000	12,500			172,000	11.90	196	279,000
1914	156,000	156,000	14,300			171,000	12.00	194	213,000
1915	170,000	170,000	16,400			186,000	11.20	181	224,000
1916	193,000	193,000	17,100			210,000	11.80	176	257,000
1917	199,000	199,000	16,900			215,000	11.90	151	266,000
1918	189,000	189,000	12,900			202,000	14.60	158	252,000
1919	168,000	168,000	13,200			181,000	14.40	136	255,000
1920	191,000	191,000	20,600			212,000	16.50	134	322,000
1921	111,000	111,000	10,500			121,000	16.50	150	207,000
1922	180,000	180,000	16,700	1,650		195,000	16.60	161	353,000
1923	178,000	178,000	18,100	1,730		195,000	17.60	169	336,000
1924	185,000	185,000	16,200	1,460		200,000	19.30	184	375,000
1925	165,000	165,000	19,000	1,570		183,000	13.50	125	398,000
1926	165,000	165,000	21,600	1,490		185,000	14.30	132	344,000
1927	174,000	174,000	22,900	1,480		196,000	14.20	134	431,000
1928	184,000	184,000	24,500	1,420		207,000	15.00	143	389,000
1929	199,000	199,000	28,300			228,000	14.50	138	421,000
1930	163,000	163,000	23,400	434		186,000	14.20	138	364,000
1931	149,000	149,000	21,300			170,000	13.50	144	384,000
1932	112,000	112,000	18,200			130,000	13.20	158	331,000
1933	151,000	151,000	20,100	3,590		167,000	12.30	155	430,000
1934	126,000	126,000	18,600	4,450		140,000	12.80	156	399,000
1935	157,000	157,000	21,700	5,270		173,000	12.90	154	424,000
1936	196,000	196,000	22,200	6,050		212,000	12.60	149	472,000
1937	209,000	209,000	24,300	8,050		225,000	12.80	146	515,000
1938	193,000	193,000	20,000	6,460		207,000	12.40	144	420,000
1939	230,000	230,000	23,700	8,210		246,000	12.20	143	488,000
1940	255,000	255,000	25,700	8,530		272,000	12.20	142	664,000
1941	376,000	378,000	16,900	9,880		383,000	12.30	136	840,000
1942	366,000	352,000	7,960	8,390		366,000	13.10	132	1,170,000
1943	396,000	375,000	6,000	9,700		392,000	13.40	126	1,120,000
1944	379,000	362,000	7,690	9,720		377,000	13.80	128	1,010,000
1945	364,000	361,000	6,080	10,300		360,000	14.60	133	840,000
1946	418,000	415,000	16,700	14,900		420,000	15.50	129	950,000
1947	469,000	468,000	16,100	15,900		469,000	16.40	120	1,060,000
1948	479,000	471,000	16,700	14,800		481,000	17.70	120	1,300,000
1949	417,000	419,000	17,100	14,400		419,000	18.20	124	1,280,000
1950	559,000	563,000	21,200	18,700		562,000	19.00	128	1,430,000
1951	581,000	577,000	18,700	20,800		579,000	19.70	124	1,570,000

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**U.S. GEOLOGICAL SURVEY**

[All values in metric tons (t) talc and pyrophyllite unless otherwise noted]

Last modification: November 9, 2007

Year	Production	Shipments	Imports	Exports	Stocks	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)	World production
1952	545,000	538,000	18,400	20,800		543,000	21.10	130	1,410,000
1953	573,000	552,000	20,700	20,900		573,000	20.70	126	1,480,000
1954	562,000	544,000	20,100	21,200		560,000	22.90	139	1,470,000
1955	659,000	652,000	26,400	32,000		653,000	23.60	144	1,620,000
1956	670,000	667,000	21,200	38,400		653,000	22.60	136	1,750,000
1957	621,000	628,000	18,500	36,300		602,000	22.70	132	2,010,000
1958	724,000	630,000	20,800	53,200		619,000	22.70	128	1,910,000
1959	718,000	709,000	23,000	53,300		679,000	23.90	134	2,350,000
1960	666,000	655,000	21,800	53,900		622,000	24.10	133	2,520,000
1961	691,000	660,000	24,800	43,500	1,090	640,000	23.80	130	2,710,000
1962	700,000	705,000	23,400	42,600	1,130	686,000	24.60	132	2,670,000
1963	729,000	720,000	23,300	51,700	1,090	693,000	24.30	130	2,990,000
1964	807,000	794,000	20,600	67,100	1,090	748,000	22.50	118	3,520,000
1965	783,000	760,000	19,100	63,500	1,090	716,000	24.00	124	3,570,000
1966	812,000	771,000	19,900	63,500	70,900	728,000	22.30	112	3,710,000
1967	819,000	748,000	13,900	59,900	111,000	701,000	25.20	123	3,960,000
1968	869,000	804,000	22,100	59,900	147,000	766,000	26.60	125	4,350,000
1969	933,000	894,000	18,500	62,600	183,000	849,000	27.50	122	4,680,000
1970	933,000	860,000	27,200	95,300	187,000	792,000	27.20	114	4,820,000
1971	941,000	888,000	15,800	123,000	135,000	780,000	29.30	118	4,740,000
1972	1,000,000	983,000	26,400	155,000	156,000	855,000	34.60	135	4,830,000
1973	1,130,000	1,070,000	20,900	163,000	146,000	932,000	29.30	107	5,400,000
1974	1,170,000	965,000	27,400	166,000	208,000	826,000	34.00	113	5,810,000
1975	875,000	845,000	21,200	143,000	235,000	722,000	18.00	54.50	4,900,000
1976	991,000	817,000	18,200	192,000	208,000	643,000	41.60	119	5,270,000
1977	1,090,000	1,010,000	20,000	292,000	289,000	738,000	61.30	165	6,090,000
1978	1,260,000	1,150,000	17,500	242,000	391,000	928,000	65.90	165	6,400,000
1979	1,320,000	1,190,000	20,300	287,000	516,000	925,000	78.40	176	6,870,000
1980	1,120,000	1,210,000	18,700	249,000	155,000	977,000	79.40	157	7,540,000
1981	1,220,000	1,110,000	24,500	282,000	266,000	850,000	105	189	7,270,000
1982	1,030,000	930,000	24,000	210,000	357,000	744,000	106	179	7,060,000
1983	967,000	1,060,000	39,900	198,000	269,000	897,000	116	189	7,060,000
1984	1,020,000	1,090,000	40,500	232,000	185,000	915,000	122	191	7,570,000
1985	1,150,000	1,040,000	42,500	215,000	185,000	979,000	130	197	7,830,000
1986	1,180,000	1,050,000	47,100	212,000	183,000	1,020,000	122	182	7,760,000
1987	1,160,000	1,060,000	48,300	255,000	183,000	956,000	127	182	8,470,000
1988	1,230,000	1,030,000	79,400	260,000	42,000	1,050,000	130	179	8,810,000
1989	1,250,000	1,150,000	77,700	319,000	42,000	1,010,000	108	142	9,240,000
1990	1,270,000	1,100,000	65,100	238,000	82,000	1,050,000	95.60	119	9,370,000
1991	1,040,000	864,000	66,800	178,000	82,000	926,000	85.60	103	9,060,000
1992	997,000	817,000	79,600	175,000	82,000	902,000	107	124	8,500,000
1993	968,000	900,000	99,800	135,000	82,000	933,000	101	114	8,420,000
1994	935,000	923,000	155,000	154,000	82,000	936,000	109	120	8,260,000
1995	1,060,000	901,000	146,000	183,000	82,000	1,020,000	89.80	96.10	8,490,000
1996	994,000	909,000	187,000	192,000	1,960	989,000	91.40	95.00	9,880,000
1997	1,050,000	942,000	123,000	179,000	1,900	994,000	111	112	10,400,000
1998	971,000	870,000	165,000	146,000	1,900	990,000	120	120	9,410,000
1999	925,000	881,000	208,000	147,000	1,900	986,000	117	114	9,470,000
2000	851,000	821,000	270,000	154,000	1,900	967,000	113	107	8,730,000
2001	863,000	784,000	180,000	137,000	1,900	906,000	111	102	9,060,000
2002	828,000	764,000	232,000	166,000	1,900	894,000	111	98.30	8,030,000
2003	840,000	845,000	237,000	192,000	1,900	885,000	101	89.20	8,550,000

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<b>Year</b>	<b>Production</b>	<b>Shipments</b>	<b>Imports</b>	<b>Exports</b>	<b>Stocks</b>	<b>Apparent consumption</b>	<b>Unit value (\$/t)</b>	<b>Unit value (98\$/t)</b>	<b>World production</b>
2004	833,000	854,000	226,000	202,000	1,900	857,000	107	95.40	8,760,000
2005	856,000	826,000	237,000	198,000	NA	895,000	98	81.79	8,840,000
2006	895,000	900,000	314,000	179,000	NA	1,030,000	102	82.47	8,920,000

<sup>1</sup>Compiled by K.E. Porter (retired) and R.L. Virta.

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

## Talc and Pyrophyllite Worksheet Notes

### Data Sources

Sources of data for the talc and pyrophyllite worksheet are the mineral statistics publications of the U.S. Bureau of Mines and the U.S. Geological Survey—Minerals Yearbook (MYB) and its predecessor, Mineral Resources of the United States (MR), and Mineral Commodity Summaries (MCS) and its predecessor, Commodity Data Summaries (CDS). The years of publication and corresponding years of data coverage are listed in the References section below. Blank cells in the worksheet indicate that data were not available.

### Production

Production data for the years 1900–2006 were recorded from the MR and the MYB. Production data for the years 1900–40 were equal to shipment data. Production data for the years 1900–20 represent the summed weights of talc and soapstone that were produced and sold in the United States. Production data for the years 1921–40 represent the summed weights of talc, soapstone, and pyrophyllite that were produced and sold in the United States. Production data for the years 1941–71 represent the summed weights of crude talc, soapstone, and pyrophyllite that were produced from domestic mines. Production data for the years 1972–90 represent the summed weights of crude talc and pyrophyllite that were produced from domestic mines. For the years after 1990, production data only represent the quantities of crude talc that were produced from domestic mines. After 1990, production data for pyrophyllite were withheld because they were proprietary.

### Shipments

Shipment data for the years 1900–2006 were recorded from the MR and the MYB. Shipment data for the years 1900–71 represent the summed weights of talc, soapstone, and pyrophyllite that were sold or used by domestic producers. Shipment data for the years 1972–90 represent the summed weights of talc and pyrophyllite that were sold or used by domestic producers. For the years after 1990, shipment data only represent the quantities of crude talc that were sold or used by domestic producers. After 1990, shipment data for pyrophyllite were withheld because they were proprietary.

### Imports

Import data for the years 1900–2006 were recorded from the MR and the MYB. Import data for the years 1900–32 represent the total quantity of unmanufactured talc that was imported into the United States for consumption purposes. Import data for the years 1933–74 represent the summed weights of all types of unmanufactured talc, steatite, and soapstone materials that were imported into the United States for consumption purposes. Import data for the years 1975–2006 represent the total quantity of unmanufactured talc that was imported into the United States for consumption purposes.

### Exports

Export data for the years 1922–2006 were recorded from the MR and the MYB. Export data for the years 1922–32 represent the summed weights of all talcum powder materials that were exported from the United States to foreign recipients. Export data for the years 1933–35 represent the total quantity of talc that was exported from the United States to foreign recipients. Export data for the years 1936–73 represent the summed weights of all types of talc, steatite, soapstone, and pyrophyllite materials that were exported from the United States to foreign recipients. Export data for the years 1974–2006 represent the total quantity of talc that was exported from the United States to foreign recipients.

### Stocks

Stock data for the years 1961–2006 were recorded from the CDS, MCS, and MYB. Stock data for the years 1961–2006 represent the summed weights of various talc materials that were held in Government and producer stockpiles. Government stock data represent the summed weights of all types of talc, steatite, and steatite talc that were held annually within the National Defense Stockpile. Producer stock data represent the summed weights of all types of talc, soapstone, and pyrophyllite materials that were held annually within domestic producer stockpiles. Producer stock data were not available for the years 1961–65 and 1996–2006.

### Apparent Consumption

Apparent consumption data for the years 1968–2006 were recorded from the MYB. Apparent consumption data for the years 1968–84 represent the summed weights of talc and pyrophyllite that were consumed within the United States annually. Apparent consumption data for the years 1985–2006 represent the total quantity of talc that was consumed in the United States annually. Apparent consumption data for the years 1955–67 were recorded from the CDS. Apparent consumption data for the years 1955–67 represent the summed weights of talc, soapstone, and pyrophyllite that were consumed in the United States annually. Apparent consumption data for the years 1900–54 were estimated as being equal to production plus imports minus exports.

### Unit Value (\$/t)

Unit value data for the years 1900–2006 were estimated as being equal to the total value of all talc materials that were sold or used by domestic producers, plus imports minus exports divided by the total tonnage of all talc materials that were sold or used by domestic producers plus imports minus exports. The general equation for the unit value is below.

$$\text{UNIT VALUE} = (\text{TOTAL SOLD OR USED VALUE} + \text{IMPORT VALUE} - \text{EXPORT VALUE}) / (\text{TOTAL SOLD OR USED TONNAGE} + \text{IMPORTS TONNAGE} - \text{EXPORT TONNAGE}).$$

**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 for the years 1904–2006 were recorded from the MR and the MYB. World production data for the years 1904–12 represent the summed weights of all talc and soapstone materials that were produced annually throughout the world. World production data for the years 1913–2006 represent the summed weights of all talc, pyrophyllite, soapstone, steatite, and other unspecified talc-related materials that were produced annually throughout the world.

**References**

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U.S. Geological Survey, [year of last update, e.g., 2005], [Mineral commodity, e.g., Gold] statistics, in Kelly, T.D., and Matos, G.R., comps., Historical statistics for mineral and material commodities in the United States: U.S. Geological Survey Data Series 140, available online at <http://pubs.usgs.gov/ds/2005/140/>. (Accessed [date].)

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