

U.S. Census Bureau
Refractories - 2009
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Address inquiries concerning these data to Primary Goods Industries Branch, U.S. Department of Commerce, Census Bureau, Manufacturing and Construction Division, Washington DC, 20233-6900, or call Georgia Somarakis, 301-763-9833.

These data are also available online through STAT-USA by subscription. For further information, visit <http://www.stat-usa.gov/> or call 1-800-STAT-USA.

Table 1. Value of Shipments of Refractories: 2009 to 2005
 [Value in thousands of dollars]

Product class code	Product description	Year	Value
3271240	Clay refractories	2009	764,418
		2008	r/ 924,627
		2007	964,699
		2006	962,973
		2005	860,844
3271250	Nonclay refractories	2009	1,420,193
		2008	r/ 1,598,219
		2007	1,304,493
		2006	1,163,552
		2005	1,152,700

Table 2. Quantity and Value of Shipments of Refractories by Type: 2009 and 2008
[Value in thousands of dollars]

Product code	Product description	No. of cos.	Quantity shipped (unit of measure)		M bricks (1,000 9-inch equivalent)	Value of shipments
			Short tons	Metric tons		
3271240	Clay refractories	2009	(X)	(X)	(X)	764,418
		2008	(X)	(X)	(X) r/	924,627
3271240125	Fireclay, high alumina, and insulating brick shapes 1/	2009	45	261,314	236,911	(S) b/ 357,366
		2008	a/	466,795 a/	423,208 r/	38,549 a/ 504,642
3271240135	Unshaped clay refractory bonding mortars, castable refractories, and gunning mixes 2/, 3/	2009	34 a/	412,265 a/	373,768	(X) 381,636
		2008	r/	561,725 r/	510,314	(X) r/ 381,807
3271240451	Clay and high alumina refractory raw materials 4/	2009	9	(D)	(D)	(X) (D)
		2008		321,140	291,154	(X) 11,665
3271240461	Clay and high alumina refractory materials 5/	2009	10	(D)	(D)	(X) (D)
		2008	a/	55,349 a/	50,381	(X) 26,513
3271250	Nonclay refractories	2009	(X)	(X)	(X)	(X) 1,420,193
		2008		(X)	(X)	(X) r/ 1,598,219
3271250125	Magnesite-chrome, chrome-magnesite, including high fires, burned and unburned brick, and chrome brick	2009	12 a/	139,363 a/	126,349 a/	16,433 a/ 339,535
		2008	r/	109,116 r/	98,927 a/	19,504 r/ 334,097
3271250135	All other brick and shapes, including dolomite, dolomite magnesite, forsterite, pyrophyllite-zircon, carbon and graphite crucibles, retorts, stopper heads, natural graphite refractories, and molten cast	2009	26	331,697	300,723	41,172 605,536
		2008	r/	419,454 r/	380,285	51,138 r/ 719,669
3271250145	Unshaped nonclay refractories basic bonding mortars made predominately of magnesite or chrome ore, dolomite, and other nonclay mortars, made predominately of forsterite, zircon, and silica	2009	30	333,595	302,445	(X) 255,765
		2008	r/	392,096 r/	355,482	(X) r/ 283,679
3271250256	Domestic shipments for direct use by customers as a finished refractory and all exported material 5/	2009	16	(D)	(D)	(X) (D)
		2008		(D)	(D)	(X) (D)
3271250261	All other domestic shipments of nonclay refractory materials sold in lump or ground form as refractory raw material 4/	2009	10	(D)	(D)	(X) (D)
		2008		(D)	(D)	(X) (D)

Table 3. Shipments, Exports and Imports of Refractories by Type: 2009 and 2008
 [Value in thousands of dollars]

Product code 1/	Product description	Year	Manufacturers' shipments	Exports of domestic merchandise 2/ (value at port)	Imports for consumption 3/ (value at port)
3271240125	Fireclay, high alumina, and insulating brick shapes	2009	b/ 357,366	67,420	77,769
		2008	a/ 504,642	66,653	108,342
3271240135	Unshaped clay refractory bonding mortars, castable refractories, and gunning mixes.	2009	381,636	31,689	1,510
		2008	t/ 381,807	33,816	862
3271250125	Magnesite-chrome, chrome-magnesite, including high fires, burned and unburned brick, and chrome brick.	2009	a/ 339,535	52,843	93,661
		2008	t/ 334,097	72,606	155,751
3271250135	All other brick and shapes	2009	605,536	187,168	129,832
		2008	t/ 719,669	180,495	219,494
3271250145	Unshaped refractories and gunning mixes	2009	255,765	111,898	27,290
		2008	t/ 283,679	173,564	36,425

Footnotes:

1/ For comparison of North American Industry Classification System (NAICS)-Based product codes with Schedule B export numbers and HTSUSA import numbers, see Table 4.

2/ Source: Census Bureau report EM 545, U.S. Exports.

3/ Source: Census Bureau report IM 146, U.S. Imports for Consumption and General Imports.

Table 4. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2009

Product code	Product description	Export code 1/	Import code 2/
3271240125	Fireclay, high alumina, and insulating brick shapes.	6902.20.1010 6902.20.5010 6902.90.1010 6902.90.5010 6903.90.0010	6902.20.1010 6902.20.5010 6902.90.1010 6902.90.5010 6903.90.0010
3271240135	Unshaped clay refractory bonding mortars, castable refractories, and gunning mixes.	3816.00.0010	3816.00.0010
3271250125	Nonclay magnesite, magnesite-chrome, including high fires, burned and unburned brick, and chrome brick.	6902.10.1000 6902.10.5000	6902.10.1000 6902.10.5000
3271250135	All other nonclay brick and shapes, including dolomite, dolomite magnesite, forsterite, pyrophyllite-zircon, carbon and graphite crucibles, retorts, stopper heads, natural graphite refractories, and molten cast.	6902.20.1020 6902.20.5020 6902.90.1020 6902.90.5020 6903.90.0050	6902.20.1020 6902.20.5020 6902.90.1020 6902.90.5020 6903.90.0050
3271250145	Unshaped nonclay refractories basic bonding mortars made predominantly of magnesite or chrome ore, dolomite, and other nonclay mortars, made predominantly of forsterite, zircon, and silica.	3816.00.0050	3816.00.0050

Footnotes:

1/ Source: 2009 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/ Source: Harmonized Tariff Schedule of the United States, Annotated (2009).

Symbols:

- (D) - Withheld to avoid disclosing data of individual companies.
- (X) - Not applicable.
- (NA) - Not available.
- r/ - Revised by 5 percent or more from previously published data.
- (n.e.c.) - Not elsewhere classified.
- (n.s.k.) - Not specified by kind.
- (nehp) - Net engine horsepower
- (btuh) - British thermal units per hour
- (pt.) Part.
- Represents zero.

Estimation symbols - Percent of estimation for each item is indicated as follows:

- a/ - 10 to 19 percent of this item has been estimated.
- b/ - 20 to 29 percent of this item has been estimated.
- c/ - 30 to 49 percent of this item has been estimated.
- (S) - Withheld because estimates did not meet publication standards

HISTORICAL NOTE

The Census Bureau has collected data on refractories since 1947.

Historical Current Industrial Reports data (called Facts for Industry before 1959) may be obtained from a Federal Depository Library. To locate a Federal Depository Library in your area, please visit <http://www.gpoaccess.gov/libraries.html>.