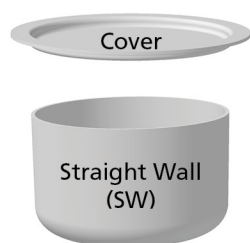




ZIRCONIUM CRUCIBLES [STRAIGHT WALL]

Resistance to corrosion in most solutions



Zirconium is our most effective crucible material for fusions using sodium carbonate or sodium peroxide. It is an excellent low-cost replacement for platinum. And, based on an average of 100 fusions per crucible, it is more cost effective than less expensive porcelain or steel crucibles. Other advantages of zirconium are its complete resistance to the action of most solvents of all concentrations such as nitric, hydrochloric, sulfuric and perchloric acids. This allows the fusions to be dissolved out of the crucible completely with little or no contamination of the sample. Alkaline solvents such as ammonium hydroxide, acetate sulfide, carbonate and (Na, K) hydroxide, sulfide, carbonate and cyanide are also without effect.

ZIRCONIUM STRAIGHT WALL					CRUCIBLE		COVER	
CAPACITY ML	OUTSIDE DIA IN. MM		DEPTH IN. MM		PART NUMBER	PRICE EA US \$	PART NUMBER	PRICE EA US \$
5	0.83	21	0.75	19	10-0005SW	\$52.20	10-0005C	\$18.00
10	1.07	27	0.87	22	10-0010SW	\$52.20	10-0010C	\$18.00
15	1.32	33	0.87	22	10-0015SW	\$61.00	10-0015SC	\$18.67
20	1.32	33	1.14	29	10-0020SW	\$61.14	10-0015SC	\$18.67
25	1.84	47	0.87	22	10-0025SW	\$64.30	10-0025C	\$19.47
35	1.84	47	1.14	29	10-0035SW	\$67.11	10-0025C	\$19.47
45	1.84	47	1.34	34	10-0045SW	\$70.88	10-0025C	\$19.47
55	1.84	47	1.60	41	10-0055SW	\$74.59	10-0025C	\$19.47
75	2.01	51	1.61	41	10-0075SW	\$85.29	10-0075C	\$22.70
100	2.34	59	1.77	45	10-0100SW	\$102.01	10-0100C	\$24.73
250	3.25	83	2.25	57	10-0250SW	\$137.04	10-0250C	\$37.28
500	4.09	104	2.49	63	10-0500SW	\$212.99	10-0500C	\$47.55
1000	5.00	127	3.51	89	10-1000SW	\$342.38	10-1000SC	\$75.57
1500	6.00	152	3.90	99	10-1500SW	\$543.69	10-1000LC	\$118.64
Above sizes and capacities approximate.					Standard thickness .035"			

Effective January 1, 2024 - FOB Albany, Oregon USA
Prices may be subject to change without notice.

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TANTALUM NIOBIUM ZIRCONIUM VANADIUM TITANIUM TUNGSTEN NICKEL INCONEL COPPER

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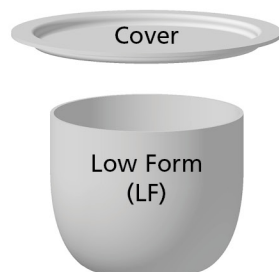
METAL TECHNOLOGY - 173 QUEEN AVE SE - ALBANY OR 97322 - USA

PH: 541.926.9968 OR 800.394.9979 - FX: 541.928.0596 - SALES@MTIALBANY.COM - WWW.MTIALBANY.COM



ZIRCONIUM CRUCIBLES [LOW FORM]

(CONTINUED FROM PREVIOUS PAGE)



Zirconium exhibits superb corrosion resistance in most organic and inorganic acids, salt solutions, strong alkalis and a few molten salts. The passive oxide film (corrosion barrier) is stable in both reducing and oxidizing conditions. Zirconium is excellent in both acid and base solutions. The temperature limit for use in air is about 450°C to 500°C.

ZIRCONIUM LOW FORM							CRUCIBLE		COVER	
CAPACITY ML	TOP DIA IN. MM		BOTTOM DIA IN. MM		DEPTH IN. MM		PART NUMBER	PRICE EA US \$	PART NUMBER	PRICE EA US \$
15	1.41	36	1.26	32	0.90	23	10-0015LF	\$61.00	10-0015LC	\$18.73
20	1.41	36	1.27	32	1.27	32	10-0020LF	\$57.25	10-0015LC	\$18.73
25	1.85	47	1.58	40	0.90	23	10-0025LF	\$60.21	10-0025C	\$19.47
35	1.85	47	1.58	40	1.18	30	10-0035LF	\$62.84	10-0025C	\$19.47
45	1.85	47	1.58	40	1.38	35	10-0045LF	\$66.37	10-0025C	\$19.47
55	1.85	47	1.58	40	1.64	42	10-0055LF	\$69.84	10-0025C	\$19.47
75	2.02	51	1.75	44	1.67	42	10-0075LF	\$79.86	10-0075C	\$22.70
100	2.34	59	2.07	53	1.81	46	10-0100LF	\$102.01	10-0100C	\$24.73
250	3.27	83	2.83	72	2.36	60	10-0250LF	\$137.04	10-0250C	\$37.28
500	4.01	102	3.51	89	2.61	66	10-0500LF	\$212.99	10-0500C	\$47.55
1000	6.00	152	5.67	144	3.75	95	10-1000LF	\$358.68	10-1000LC	\$118.64
1500	6.00	152	5.67	144	3.90	99	10-1500LF	\$569.58	10-1000LC	\$118.64
Above sizes and capacities approximate.							Standard thickness .035"			

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