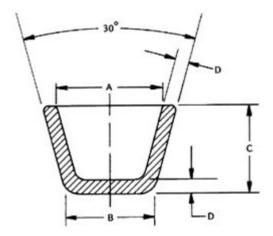
Mo, BN, Vit.Carbon, Intermetallic, Alumina, Cu, W & Graphite Crucibles - Listing

CRUCIBLE LINERS

Crucible Liners are very useful in electron-beam evaporation. They typically increase the evaporation rates of the material being deposited and they simplify the task of changing from one evaporation material to another. We manufactures and distributes crucible inserts made from; Molybdenum, Boron Nitride, Graphite and Vitreous Carbon. Each of these materials has it's particular application/suitability as an liners:





Molybdenum (Mo)

Very strong material machined from solid rod. Do not use Moly inserts with metals which may alloy with it at melting temperatures.

Boron Nitride (BN)

Usually used in evaporation of Aluminum. Provides good thermal shock resistance.

Graphite (C)

Used regularly for many different types of evaporation materials. Will assist in increased evaporation rates.

Vitreous Carbon

Especially well suited to chemical etching processes because it is highly resistant to chemicals.

Crucibles are also available in Copper (Cu), Tantalum (Ta) and Tungsten (W) metals. Please inquire.

We ask that you specify part number and quantity when ordering. For special requirements, please <u>contact us</u>, attaching a sketch of your hearth design and tolerances. SiZe.

4cc Crucible - For SFIH-270-0, TIH-180 & LTFH-180 Sources								
Material	А	В	С	D	VOLUME	PART#		
Molybdenum	.750	.615	.593	.093	2.4cc	104-8361		
Boron Nitride	.750	.615	.593	.093	2.4cc	102-6604		
Intermetallic	.750	.615	.593	.093	2.4cc	303-0004		
Aluminum Oxide	.750	.615	.593	.093	2.4cc	9998-9400		
Tungsten	.750	.615	.593	.093	2.4cc	203-6004		

7cc Crucible - For SFIH-270-1, STIH-270-1, FIH-270, TIH-270 and FIH-180 Sources							
Material	А	В	С	D	VOLUME	PART #	
Molybdenum	.981	.865	.563	.083	4.8cc	518-7751	
Boron Nitride	.981	.865	.563	.093	4.3cc	102-6647	
Vitreous Carbon	.981	.865	.563	.093	4.3cc	9998-9002	
Intermetallic	.981	.865	.563	.093	4.3cc	515-7751	
Aluminum Oxide	.981	.865	.563	.093	4.3cc	9998-9070	
Copper	.981	.865	.563	.093	4.3cc	701-0007	
Tungsten	.981	.865	.563	.093	4.3cc	203-6007	

Material	Α	В	С	D	VOLUME	PART #
Molybdenum	1.230	1.130	.670	.125	10cc	503-0292
Boron Nitride	1.230	1.130	.670	.125	10cc	102-6615
Vitreous Carbon	1.300	1.130	.670	.093	11cc	9998-0013
Intermetallic	1.300	1.130	.670	.093	11cc	615-8262
Aluminum Oxide	1.300	1.130	.670	.093	11cc	9998-9115
Copper	1.300	1.130	.670	.093	11cc	701-0015
Tungsten	1.300	1.130	.670	.093	11cc	203-8999

25cc Crucible						
Material	А	В	С	D	VOLUME	PART #
Molybdenum 4 Pocket Gun	N/A	N/A	N/A	N/A	N/A	515-2142-4
Molybdenum 6 Pocket Gun	N/A	N/A	N/A	N/A	N/A	203-0525-6
Boron Nitride 4 Pocket Gun	N/A	N/A	N/A	N/A	N/A	102-0625-4
Boron Nitride 6 Pocket Gun	N/A	N/A	N/A	N/A	N/A	102-6625-6
Vitreous Carbon 4 Pocket Gun	N/A	N/A	N/A	N/A	N/A	515-2212-4
Vitreous Carbon 6 Pocket Gun	N/A	N/A	N/A	N/A	N/A	515-2212-6
Intermetallic	N/A	N/A	N/A	N/A	N/A	515-2222-4

4 Pocket Gun						
Intermetallic 6 Pocket Gun	N/A	N/A	N/A	N/A	N/A	515-2222-6
Aluminum Oxide 4 Pocket Gun	N/A	N/A	N/A	N/A	N/A	9998-9025-4
Aluminum Oxide 6 Pocket Gun	N/A	N/A	N/A	N/A	N/A	9998-9625-6
Tungsten 4 Pocket Gun	N/A	N/A	N/A	N/A	N/A	203-6025-4
Tungsten 6 Pocket Gun	N/A	N/A	N/A	N/A	N/A	9998-9052-6

40cc Crucible - For SFIH-270-2 and 2-inch -270° Sources							
Material	А	В	С	D	VOLUME	PART #	
Molybdenum	1.512	1.456	1.093	.250	18cc	203-6512	
Boron Nitride	1.658	1.456	1.093	.175	24cc	102-6640	
Vitreous Carbon	1.852	1.456	1.055	.085	30cc	9998-9005	
Intermetallic	1.852	1.456	1.055	.085	30cc	303-6872	
Aluminum Oxide	1.852	1.456	1.055	.085	30cc	9998-9040	
Copper	1.852	1.456	1.055	.085	30cc	701-0040	
Tungsten	1.852	1.456	1.055	.085	30cc	9998-9042	

Temescal part numbers are for reference purposes only.