

CerMax™ High Temperature Round Flat Bottom Crucibles



- Alumina & Magnesium Oxide Crucibles
- Full Fired
- Inert to Molten Metals & Slags
- Thermal Shock Resistance
- High Dielectric & Mechanical Strength

CerMax™ Round Crucibles – Magnesium Oxide / Alumina

	Magnesium Oxide	Alumina
Max Operating Temp	3270°F / 1800°C	3000°F / 1649°C
Hardness	5.5	9.0
Specific Gravity g/cc	3.45	3.9
Density, lbs/in ²	.12	.134
Porosity, %	4.5	Nil
Thermal Expansion in/in/°F x 10 ⁻⁶	7.7 (13.9 for °C)	3.5 (6.3 for °C)
Compressive Strength, psi	120,000	340,000
Flexural Strength, psi	35,000	46,000
Dielectric Strength, v/mil	150	225
Loss Factor at 1 MHz	-	.0018
Dielectric Constant at 1 MHz	9.6	9.3
Thermal Conductivity, BTUin/hrxft ² x°F (W/mx°K)	15.0 (2.2)	220 (31.7)

Round Flat Bottom Crucibles

For "X" In the part number: use "M" for Magnesium Oxide
use "A" for Alumina

Part Number	OD		Length		
CC-FB-X-10010	1.00	25.40	1.00	25.40	
CC-FB-X-10012	1.00	25.40	1.25	31.75	
CC-FB-X-12512	1.25	31.75	1.25	31.75	
CC-FB-X-12525	1.25	31.75	2.50	63.50	
CC-FB-X-15020	1.50	38.10	2.00	50.80	
CC-FB-X-15030	1.50	38.10	3.00	76.20	
CC-FB-X-17525	1.75	44.45	2.50	63.50	
CC-FB-X-17535	1.75	44.45	3.50	88.90	
CC-FB-X-20020	2.00	50.80	2.00	50.80	
CC-FB-X-20035	2.00	50.80	3.50	88.90	
CC-FB-X-20050	2.00	50.80	5.00	127.00	
CC-FB-X-20060	2.00	50.80	6.00	152.40	
CC-FB-X-22535	2.25	57.15	3.50	88.90	
CC-FB-X-25030	2.50	63.50	3.00	76.20	
CC-FB-X-25055	2.50	63.50	5.50	139.70	
CC-FB-X-30030	3.00	76.20	3.00	76.20	
CC-FB-X-30040	3.00	76.20	4.00	101.60	
CC-FB-X-30045	3.00	76.20	4.50	114.30	
CC-FB-X-30057	3.00	76.20	5.75	146.05	
CC-FB-X-35050	3.50	88.90	5.00	127.00	
CC-FB-X-35060	3.50	88.90	6.00	152.40	
CC-FB-X-40040	4.00	101.60	4.00	101.60	
CC-FB-X-40060	4.00	101.60	6.00	152.40	
CC-FB-X-45045	4.50	114.30	4.50	114.30	
CC-FB-X-45060	4.50	114.30	6.00	152.40	
CC-FB-X-50050	5.00	127.00	5.00	127.00	
CC-FB-X-50080	5.00	127.00	8.00	203.20	
CC-FB-X-55055	5.50	139.70	5.50	139.70	
CC-FB-X-60060	6.00	152.40	6.00	152.40	
CC -FB-X-600X0	6.00	152.40	10.00	254.00	