



Alumina Crucible

Nextgen Advanced Materials supplies high-quality alumina crucibles in different sizes. Customized production is available.

Product Description

As the professional manufacture, we would like to provide you high quality Nextgen Alumina Crucible. And we will offer you the best after-sale service and timely delivery. We provide high-quality alumina crucibles in different sizes from 5ml to 500ml. Customized production is available. Alumina crucible is a ceramic product with high thermal conductivity, good compressive strength and thermal shock resistance.

It also has a low thermal expansion, making it a suitable material for furnace use in the crucible, tube, and thermocouple sheath form. In addition, it can be easily combined with metals and other ceramic materials using brazing techniques and metalizing. Alumina crucibles can be used under high temperature and do not contaminate molten metals.



Specification

Parameters	UNIT	Al 99	Al 95
Al ₂ O ₃ Content	%	99	95
Density	g/m3	3.85	3.6
water absorption	%	0	0
Sintering temperature	°C	1690	1670

Hardness	HV	1700	1600
Compressive strength	Kgf/cm ²	30000	25000
Max. Working Temperature	°C	1500	1400
Thermal Conductivity	W/(m K)	31	22
Volume Resistivity	Ω.cm	>10 ¹²	>10 ¹²
Dielectric Constant	MHZ(E)	9.2-10.5	9.0-10
Size	ML	5-500	5-500
Customization		Available	Available