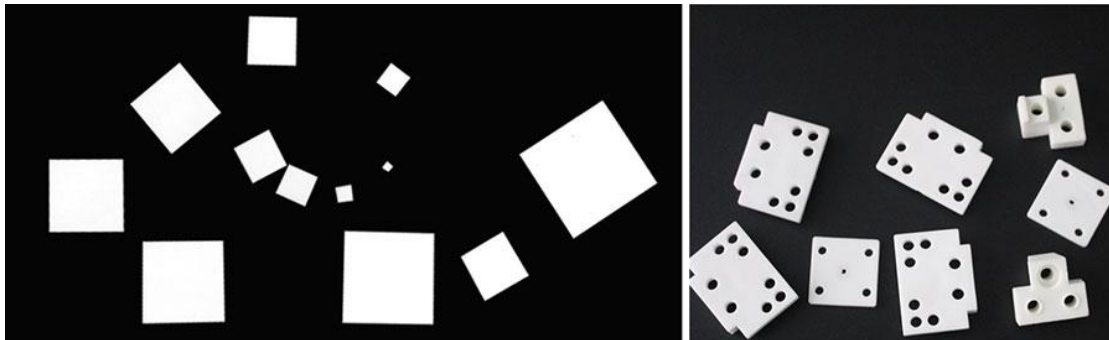


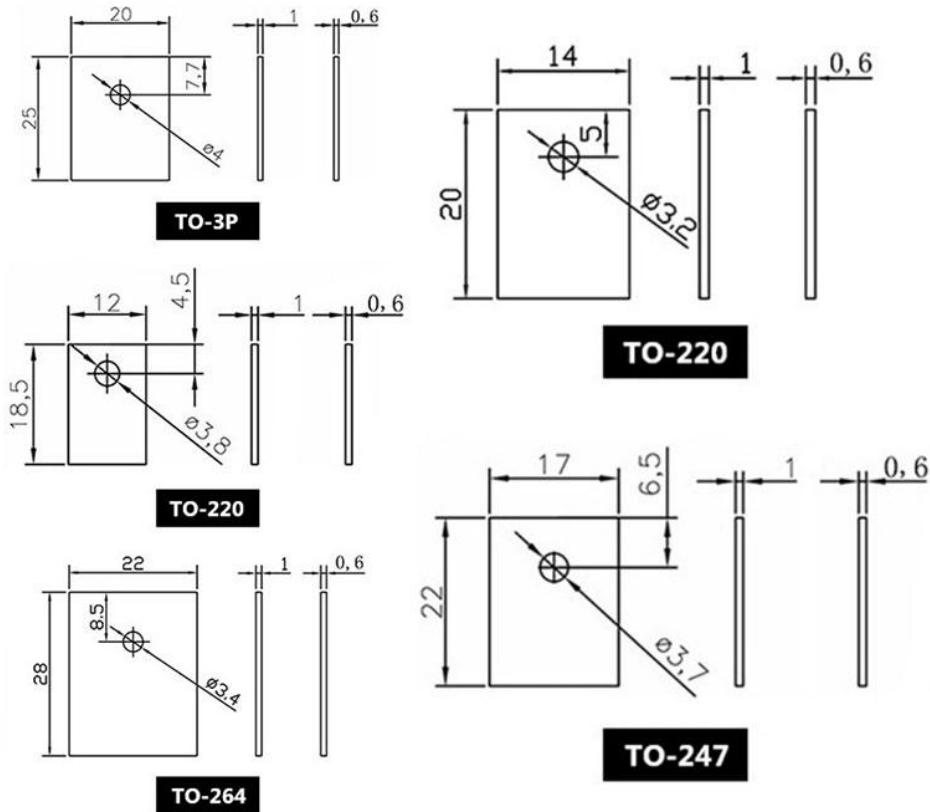
Alumina Plate

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

Product Description

Buy Nextgen Alumina Plate which is of high quality directly with low price. Alumina plate has high thermal conductivity, compressive strength, and thermal shock resistance. We provide high-quality alumina plates in a variety of sizes and dimensions to enable the most efficient production at your location.





Ceramic characteristic table

	Name	99 Porcelain	95 Porcelain	Zirconium oxide	
	Ingredients	$Al_2O_3 \geq 99\%$	$Al_2O_3 \geq 95\%$	$ZrO_2 \geq 94\%$	
Physical characteristics	Density	3.85	3.6	5.9	
	Water absorption rate %	0	0	0	
	Sintering temperature $^{\circ}C$	1690	1670	1650	
Physical characteristics	Hardness HV	1700	1600	1400	
	Flexural strength 4pt	>3500	>2900	>11000	
	Compressive strength kgf/cm ²	30000	25000	25000	
Thermodynamic characteristics	Maximum operating temperature: $^{\circ}C$	1500	1400	1600	
	Coefficient of thermal expansion	10-6/ $^{\circ}C$	8	7.8	10
		0-1000 $^{\circ}C$			
	Heat shock force T ($^{\circ}C$)	200	220	350	
	Heat conductivity W/m.k	31	22	3	
Electrical characteristics	Volume resistivity $\Omega.cm$	> 10^{12}	> 10^{12}	> 10^{12}	
	Insulation breaking strength KT/m	18	16	15	
	Dielectric constant 1MHZ (E)	9.2-10.5	9.0-10	12.5	

Specification

Parameters	UNIT	Al 99	Al 95
Al_2O_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/cm2	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
Customization		Available	Available