



Advanced Ceramics

*The advanced Ceramics are utilized in many fields.
As for us, the business experience of advanced ceramics is 30 years over.*

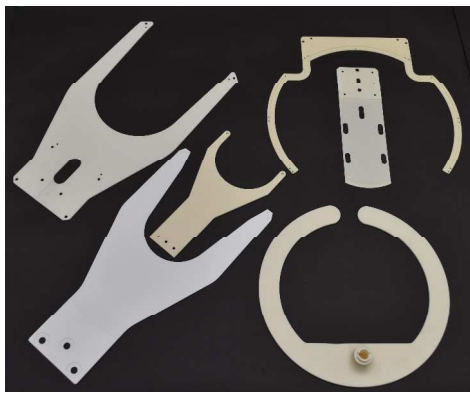
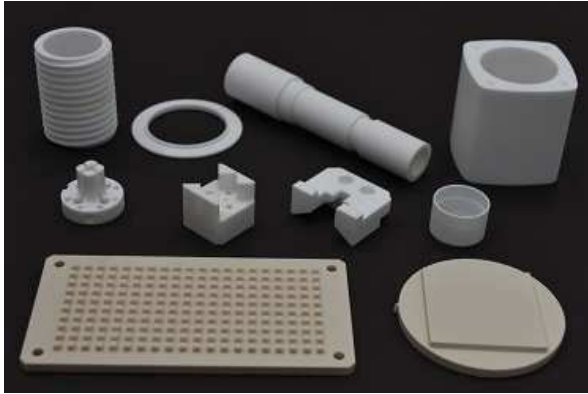
*We can answer your problem of the price, the quality, the machining, the quantity, lead time.
Please ask it .*



Contact; e-mail ; luckdesign.info@gmail.com
telepon ; +81-944-85-9536



Property of Advanced Ceramics



Luck Design Company, Limited

Advanced Ceramics Characteristics

	Model number	Density	Bending strength	Coefficient of elasticity	Hardness	Fracture toughness	Coefficient of thermal expansion	Thermal shock resistance	Coefficient of thermal conductivity	Electrical resistance	Dielectric strength	Dielectric constant	Dielectric loss
unit		g/cm ³	Mpa	GPa	GPa	MPa√m	x10 ⁻⁶ /K	K	W/m·K	Ω·cm	kV/mm		x10 ⁻³
Alumina (Al ₂ O ₃)	LA995	3.9	450	390	18	4	7.3	200	30	>10 ¹⁴	12	10	30
Zirconia (ZrO ₂)	LZR-3Y	6	1000	200	13	6	7.5	200	30	>10 ¹⁴	12	10	3
Silicon carbide (SiC)	LSC01	3.1	490	430	24	3	3.1	450	140	10 ⁴	-	-	-
Silicon nitride (Si ₃ N ₄)	LSN200	3.2	750	280	15	6	3.5	800	28	>10 ¹⁴	>10		
Aluminum nitride (AlN)	LAL-3Y	3.3	350	320	13	3	4.5	400	170	>10 ¹³	15	8.8	5
Macerite SP	M-SP	2.5	110	64	2.2	-	9.3	150	1.6	>10 ¹⁵	10	6	8
Macerite HSP	M-HSP	2.67	160	65	2.2		9.8	175	1.6	>10 ¹⁵	>10	6.5	3
Macor	MC	2.5	94	66.9	2.2	-	9.3	200	1.4	>10 ¹⁶	10	6.8	10
Photoveel	PV-N	2.6	150	66	2.2		8.5	150	1.5	>10 ¹⁵	20	6.4	6
L-TEX (Zircon Cordierite)	L-TEX	2.7	150	-	-	-	2.5	150	1.2	>10 ¹³	10	6.5	-
Boron nitride (BN)	P-A	1.9	35	180	0.8	-	-1	1500	50	>10 ¹⁴	19	4.5	9
SHAPAL Hi M-soft (AlN+BN)	S-HMS	2.88	300	177	3.7	-	4.8	400	92	>10 ¹⁵	-	6.8	10

Notice; The number mentioned above is not a guarantee level.

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