

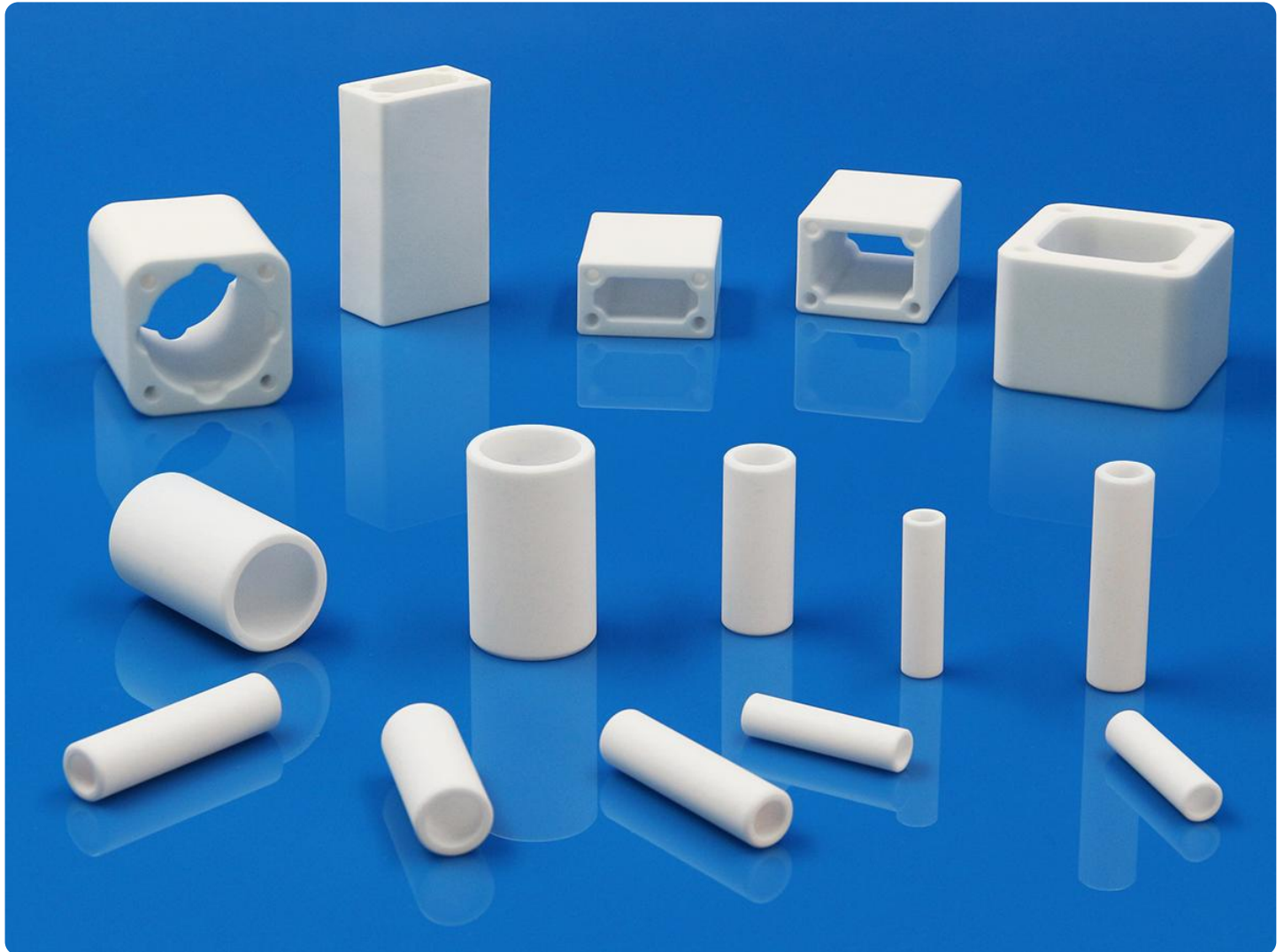


Ceramic Fuse Holder

■ Introduction

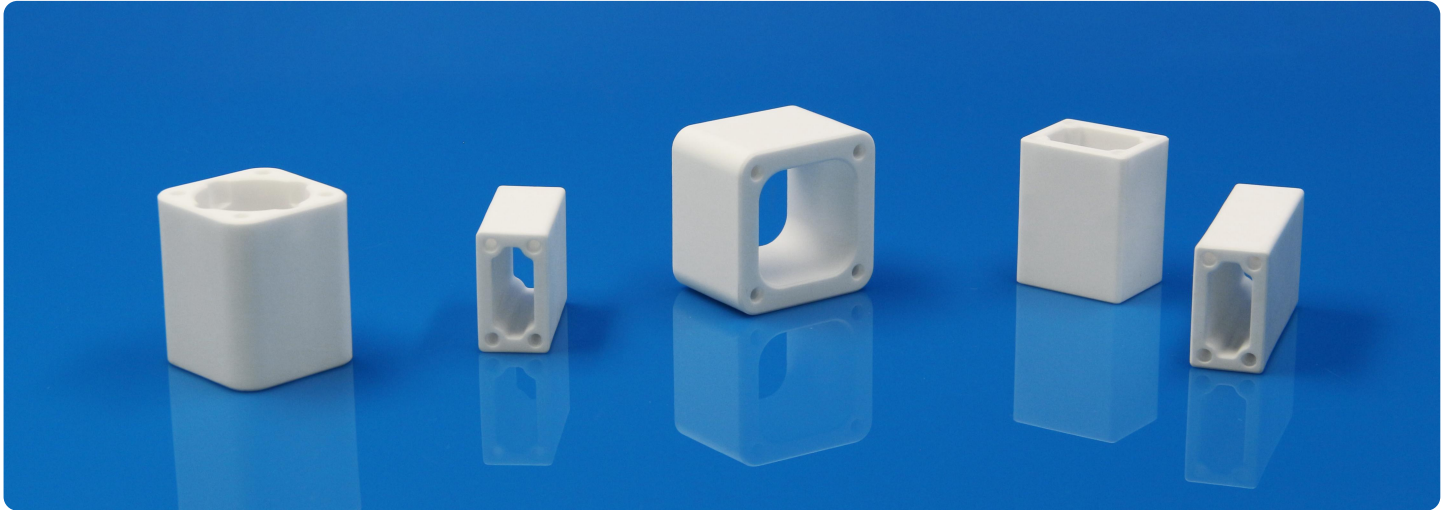
Ceramic Bodies serve as crucial components in EV fuses, providing essential thermal and electrical insulation properties.

They are instrumental in protecting electrical circuits from overcurrents and short circuits, thereby enhancing the overall reliability of electric vehicles.

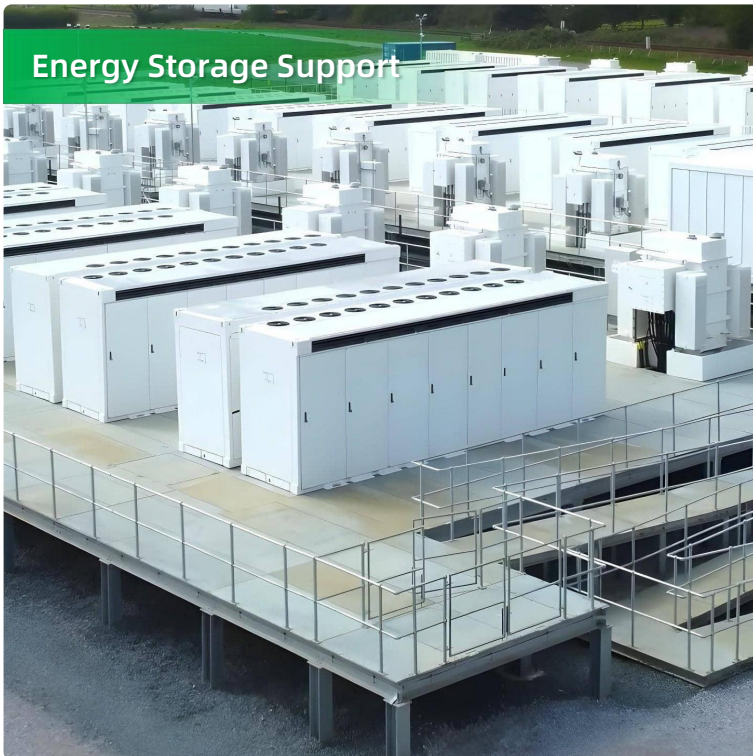


■ Features

- High density and strength
- Heat-resistant, corrosion-resistant and highly insulating
- Excellent current-limiting characteristics, high breaking capacity, and rapid response to breaking



■ Applications



Item		Test Condition	Unit	95% Al ₂ O ₃	Inspection Standard
Density		-	g/cm ³	≥3.70	GB/T 25995-2010
Mechanical Property	Vickers Hardness	HV1	GPa	12	GB/T 16534-2009
	Flexure Strength	-	MPa	350	GB/T 6569-2006
Thermal Property	Coefficient of Linear Thermal Expansion	40°C~400°C	x10 ⁻⁶ /°C	7.2	GB/T 16535-2008
		40°C~800°C		7.5	
	Thermal Conductivity	25°C	W/(m·K)	23	GB/T 5598-2015
Electrical Properties	Volume Resistivity	20°C	Ω·cm	>10 ¹⁴	GB/T 5593-2015
		300°C		>10 ¹⁰	
		500°C		>10 ⁸	
	Breakdown Strength	-	kV/mm	>15	
	Dielectric Constant	1MHz	-	9.5	
	Dielectric Loss	1MHz	x10 ⁻⁴ /°C	4	

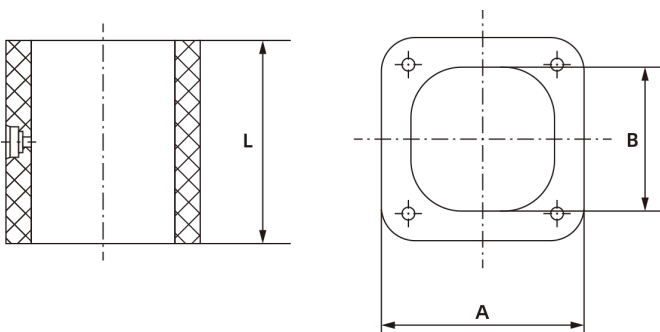
Material Properties



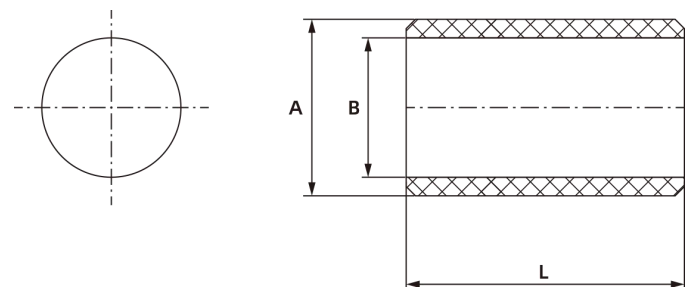
■ Product Shape and Specification

Shape	SPEC	Outer Length A (mm)	Outer Length B (mm)	Height L (mm)	Screw
Square	42s	42	31	36~70	ST3.5
	43s	43	31	36~70	ST3.5
	51s	51	36	36~70	ST4.2
	60s	60	43	36~130	ST4.2
	74s	74	54	36~130	ST4.2
	85s	85	65	36~130	ST4.2
	105s	105	82	36~130	ST4.2
	159s	159	119	36~130	ST5.5
	Others	36.3*21	27.5*12	36~70	ST3.5
		36.3*28	27.5*19.2	36~70	ST3.5
Round	1	Φ12.5	Φ8	48.8	/
	2	Φ20.9	Φ16	20	/
	3	Φ25	Φ16.65	20	/
	4	Φ28	Φ22	25	/
	5	Φ35	Φ30	24	/
	6	Φ35.4	Φ28.5	45	/
	7	Φ35.4	Φ29.5	45	/
	8	Φ36	Φ28	45	/

Square Tube



Round Tube





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