

Ceramic silicon tape				
Introduction	Fireproof ceramic silicone tape is mainly processed from fireproof ceramicized silicone rubber and fire-resistant reinforced glass fiber. It is a high-strength flexible composite product with good fire resistance and excellent electrical insulation. It can resist 1000 degree flame erosion and prevent the flame from spreading to other areas.			
Application	1.Wrap high-voltage copper aluminum busbar structural components for fire prevention and insulation; 2. Inside the battery pack, the module top cover or module aluminum side panel is fireproof, insulated, and heat-insulating 3.Fire barriers between railway passenger carriages, protective layers for railway vehicle brake pipelines; 4.Aerospace cargo fireproof cover;			
Property				
Technical Parameters	Product Code	P114-20	P114-30	P114-50
	Color	White, black, orange		
Backing Thickness[mm]	0.2	0.3	0.5	
hardness [SHA]	60			
density [g/cm³]	1.6			
Tensile Strength[Mpa]	15			
tear strength [KN/m]	25			
flame retardant	VTM-0 or V-0			
volume resistivity [Ω • cm]	6.0*10 ¹²			
High temperature insulation resistance (800 ℃)[Ω]	0.3*10 ⁶			
thermal conductivity [W/(m.K)]	<0.5			
dielectric strength [kV/mm]	20			
Elastic retention temperature range[℃]	-55~+200			
Storage and shelf life	It is recommended to store in a clean and dry place, away from direct sunlight, to prevent damage to the packaging, and to avoid keeping it with volatile solvents. The storage temperature is 10-40° C and the humidity is 40-60%. To maintain optimal performance, this product should be used within 36 months from the date of manufacture.			