

Steatite Ceramic Parts Datasheet

Talc based steatite beads, strips and insulators for electrical heating assemblies where dielectric strength matters more than toughness.

Material: Steatite (3MgO 4SiO₂ H₂O)

Performance advantages: high electrical resistance, low dielectric loss factor, relatively high mechanical strength, high volume resistivity at elevated temperatures, excellent dielectric strength, low dissipation factor

Industry applications: electric heating equipment, power connection, sockets, power supplies, transformers, instruments and meters, televisions, automobiles

Typical parts: insulating washers or bushings, supports for heating elements, electrical insulators, stand-off insulators, lighting insulators, spacers

Electrical Steatite Ceramic Bead

Steatite is made of mineral talc (3MgO 4SiO₂ H₂O) as the main raw material, adding appropriate amounts of clay, BaTiO₃ and other ingredients, and mixing and grinding, molding and high temperature sintering. Used for insulating parts.

Material	Steatite
Size	Custom
Shape	Bush, bead, fish spine or custom
Forming process	Dry pressing / Hot pressing

Steatite Ceramic Insulator

Steatite ceramic is made of natural mineral talc as the main raw material. It is commonly used in electrical applications because of its excellent insulation and good thermal conductivity. It is recommended as an ideal insulation material in electrical engineering and insulation applications with a high temperature environment.

Material	Steatite
Shape	Stick, strip, channel, brick, knuckle, tile, blocks
Usage	Excellent electrical insulators
Working temperature	1100 degree

Industrial Ceramic Heating Ring And Strip

Ceramic heating strip is an electrothermal component made of high-performance ceramic materials through precision sintering processes. Its core advantages include high-temperature resistance, efficient thermal conductivity and thermal shock resistance. Typically integrated with resistance heating layers, ceramic heating strips can stably operate within the range of 1000°C to 1800°C, offering better corrosion resistance and longer service life than traditional metal heating elements.

Size	1-8 hole
Color	White, grey, pink
Max Working Temp	1650°C (3000°F)

Shenzhen Huaxin Precision Ceramics Co., Ltd | Tel 0086-0755-28520996 | WhatsApp +86 135 3021 6316 |
tom@zirconia-ceramic.com | Nanshan District, Shenzhen, Guangdong, China