

NS6130-12-001900

BARIUM ZIRCONATE

Nanoparticles

Quick Facts

Product	:	Barium Zirconate Nanoparticles
Stock No	:	NS6130-12-001900
CAS	:	12009-21-1
Molecular Formula	:	BaZrO ₃
Form	:	Powder

Purity
99.9%

Technical Specification

Molecular Weight	Density	Melting Point	APS
276.55 g/mol	5.52 g/cm ³	2500 °C	80-100nm

Barium Zirconate has excellent dielectric properties, temperature characteristic and chemical indicators, are widely used in ceramic capacitors, PTC thermistors, filter, microwave device, plastic, modified, welding materials, brake pads, and performance improvement of the organic matter. Barium zirconium oxide is involved in the preparation of its nano powder, which finds application in the gas sensing performance of thick films especially with ammonia gas. Copper(II) oxide doping with yttrium-doped barium zirconate is used as an electrolyte in solid oxide fuel cell.



BaZrO₃
APS 80-100nm



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