

MULLITE POWDER

Purity
>99%

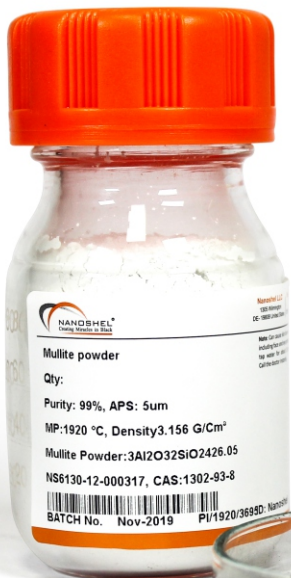
NS6130-12-000317

CAS
1302-93-8

Mullite or porcelainite is a rare silicate mineral of post-clay genesis. It can form two stoichiometric forms: $3\text{Al}_2\text{O}_3\cdot 2\text{SiO}_2$ or $2\text{Al}_2\text{O}_3\cdot \text{SiO}_2$. Refractory applications like the lining of furnaces, electrode parts, kiln furniture, bricks for the glass industry, molding material for investment and precision casting. Ceramic applications include spark plugs. Recent research indicates that a synthetic analogue of mullite can be an effective replacement for platinum in diesel engines for exhaust management.

Technical Specification

Molecular Weight	Mol Formula	Melting Point	APS
426.052g/mol	$3\text{Al}_2\text{O}_3\cdot 2\text{SiO}_2$	1064.18 °C	5µm



$3\text{Al}_2\text{O}_3\cdot 2\text{SiO}_2$



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