

YTTRIUM ALUMINATE Nanoparticles



Yttrium aluminate powder is usually found in the form of a white powder. Yttrium aluminate powder is an important ceramic material due to its high strength and low creep rate at high temperatures and excellent optical properties. Yttrium aluminate powder shows thermal stability up to its melting point which is around 1970°C. In most of the practical applications. Yttrium aluminate powder has optical applications in active optical filters, solid-state lasers, fluorescent materials, and phosphor powders for cathode ray tubes. It is also a promising high-temperature engineering material for insulating or refractory coatings. Alternatively, Yttrium aluminate powder can be used as a co-catalyst in photocatalytic applications.

Quick Facts

Product	:	Yttrium Aluminate Nanoparticles
Stock No	:	NS6130-12-001329
CAS	:	12253-70-2
Form	:	Powder
Purity	:	99.5%
Color	:	White
APS	:	30nm

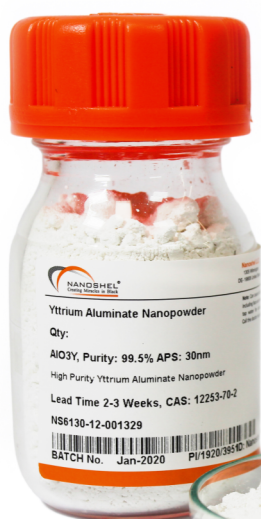
Technical Specification

Molecular Formula	:	AlO ₃ Y
Molecular Weight	:	163.89 g/mol
Density	:	4.56 g/cm ³
Melting Point	:	1760 °C

Applications

- ✓ It also has applications in the field of catalysis
- ✓ It is used as cathode materials for alkaline batteries.
- ✓ Electrochromic materials
- ✓ Temperature sensors
- ✓ Pigments for ceramics and glasses

APS
30nm



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