

NS6130-12-001634

Quick Facts

Stock No	:	NS6130-12-001634
CAS	:	12005-21-9
Molecular Formula	:	Y ₃ Al ₅ O ₁₂
Form	:	Powder

Technical Specification

Molecular Weight	Density	Melting Point	APS
593.62 g/mol	4.356 g/cm ³	1760 °C	40-60µm

Yttrium aluminum garnet (YAG, Y₃Al₅O₁₂) is a well-known host for highly efficient luminescent materials. It features a cubic structure with excellent optical properties and strong chemical stability at high temperatures. YAG powder is thermally stable and insoluble, making it ideal for ceramic, glass, and optical applications, from simple ceramics to advanced electronic components.

Applications:

- Aerospace & structural materials
- Optical filters
- Battery cathodes
- Ceramic & glass pigments
- Temperature sensors
- Water treatment & fuel cells
- White LED converters
- Auto-dimming rear-view mirrors



* This image is for graphic purposes only and does not represent the actual product.

