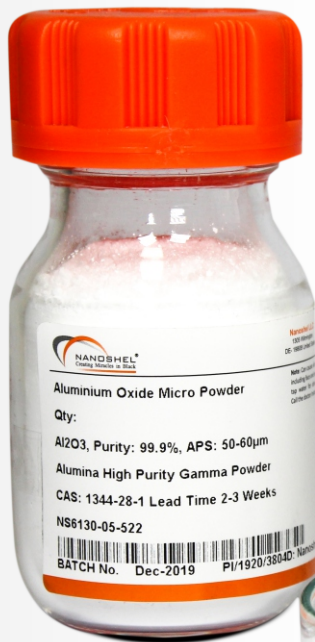


Aluminium

Oxide Powder



APS
50-60µm

NS6130-05-522



Follow us:



| www.nanoshel.com | sales@nanoshel.com

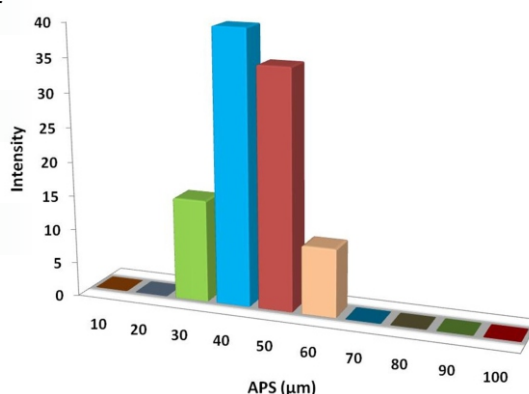
Aluminium Oxide Powder

Alumina, commonly known as aluminium oxide and it is an inert, odourless, white amorphous material often utilized in industrial ceramics. Aluminium oxide is a thermally unstable and insoluble compound that occurs naturally in various minerals for instance corundum, a crystalline variant of the oxide, and bauxite, which is considered as its principal aluminium ore.

Most of the aluminium oxide produced is utilized to form aluminium metal and oxygen typically catalyses corrosion in reaction with the metal aluminium. However, when bonded with oxygen to form aluminium oxide, protective coating forms and prevents further oxidation. This adds strength and makes the material less vulnerable to deterioration. It is also an economical substitute for industrial diamonds. Aluminium oxides are employed, as well, for the fabrication of piping components for example elbows, tees, straight pipes, hydro cyclones, reducers, nozzles, and valves.

Quick Facts

Product	:	Aluminium Oxide Powder
Stock No	:	NS6130-05-522
CAS	:	1344-28-1
Purity	:	99.9%
Color	:	White
Form	:	Powder



Technical Specification

Formula	APS	Melting Point	Boiling Point
Al_2O_3	50-60μm	2,072 °C	2,977 °C

Chemical Composition

Product	Weight Percent (nominal)	
	Al_2O_3	Other Metal
Aluminium Oxide Powder	99.9%	800ppm

Applications

- Bearings in hip replacements
- Bionic implants
- Micro-electric substrates
- Cutting tools
- Refractories
- Ceramics

INTELLIGENT MATERIALS PVT LTD
Derabassi
Punjab (140507)
INDIA

+91 9779 550077, 9779238252

NANOSHEL UK LIMITED
Chapel House,
Chapel St Cheshire,
CW12 4AB United Kingdom

+44 1782 454 144, +44 74 105 48802

NANOSHEL LLC
3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+1 646 470 4911

ISO 9001:2015
CERTIFIED COMPANY



20ZICE4589C



19ZAZGO1274G



20ZICE4588M