

Introduction

Al₂O₃ powder is an aluminum oxide thermal spray powder that is used for atmospheric plasma spraying. The powder has excellent dielectric properties. The operating temperature can be up to 1650°C(3000°F). It has excellent electrical insulation, chemically inert and stable at high temperatures. For its low price and good properties, it is widely used in many areas. This material is abrasive, sliding and erosive wear resistance which is applied for rocket nozzles, electrostatic chucks and capacitors, pump seals etc.

Equivalent: Metco 105, FST C-506, Praxair ALO-101/114, Amperit 740

Chemical & Physical Properties

Al ₂ O ₃	Fe ₂ O ₃	Na ₂ O	SiO ₂	CaO	Color	Working Temperature	Melting point
99.5 +	≤0.05%	≤0.3%	≤0.02%	≤0.05%	White	≤1650°C	2054°C

Applications

- Wear pads
- Seal rings
- Liners
- Hip and knee implants

Standard Sizes & Packaging

Bottle	5kg/bottle 4 bottles/box
Granularity	-15/+45μm