

Alumina-Al₂O₃



1. Material Introduction

Alumina (Al₂O₃) is a stable oxide of aluminum and is also known as bauxite in mining, ceramics and materials science. It is hardly soluble in water, odorless, tasteless and extremely hard. It has high chemical stability and excellent corrosion resistance to most acids, alkalis and salts.

2. Technical Parameters

Symbol	Al ₂ O ₃
Color/Appearance	White solid
Type	Granules 、 Tablets 、 Slugs 、 Targets
Melting Point(°C)	2054°C
Refractive Index	1.63 at 550nm
Purity	99.5-99.999%
Density	3.97g/cm ³
Evaporation Source	E-beam
Application	Multilayer films 、 Protective film

3. Field Application

Application Area	Application Component
Artificial sapphire crystal	LED
High performance material	Semiconductor 、 electronic components
Precision ceramic	