Trititanium pentoxide-Ti3O5

1. Material Introduction

Titanium pentoxide (Ti3O5) is an optical coating material produced by vacuum sintering technology and processed. It has the characteristics of being insoluble in water, high refractive index, low electrical resistance, strong adhesion and not easy to splash. Applications include filters, cold light source coatings, AR coatings, multilayer films, and more.

2. Technical Parameters

Symbol	Ti3O5
Color/Appearance	Glossy purple crystal particles
Type	Granules、Tablets
Melting Point(℃)	1800℃
Refractive Index	2.63 at 550nm
Purity	99.99%
Density	4.57g/cm³
Evaporation Source	E-beam
Application	Antireflection(AR)、Multilayer films

3. Field Application

Application Area	Application Component
LCD insulating film	LCD monitor, mobile phone screen
Capacitor insulation film	Car mirror
Protective film for semiconductor components	Camera lens
Optical reflection preventing film, absorption film, protective film	Glasses lens coating

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