



亮江化工
LIANGJIANG CHEM

DESCRIPTION

NA-01 series are nano grade titanium dioxide, with anatase crystal type.

The nano grade powders, which made of nano titanium dioxide and some metal oxides, can be used to produce photo catalyst.

When the powder is under light less than 400 nm, valence band electrons are sent to conduction band, forming electrons and holes. Then the electrons and holes react with O₂ and H₂O adsorbed on its surface, generating superoxide anion free radicals. These free radicals have functions of photocatalytic decomposition of harmful gases, organic pollutants and photocatalytic antibacterial.

It can widely used in the fields of air purification and sewage treatment.

KEY FEATURES

- ◆ Low cost
- ◆ Good stability
- ◆ High photocatalytic activity
- ◆ Wide range of absorbed light waves

RECOMMENDED APPLICATIONS

- ◆ Decomposing harmful gases, organic pollutants
- ◆ Antibacterial products
- ◆ Air purification and sewage treatment fields
- ◆ Self-cleaning paints
- ◆ Decomposing vehicle exhaust

PACKAGING

We have two kind of packages of this product series: cartons and fiber drums.

Net 10 kg per carton, or net 20 kg per drum.

CONTACT

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TYPICAL PROPERTIES

PRODUCT	TiO ₂ PURITY	AVERAGE PARTICLE SIZE	BET	CRYSTAL TYPE / SURFACE TREATMENT	MAIN FEATURE
NA-01-S	≥ 99%	10 nm	≥ 60 m ² / g	Anatase	High photocatalytic activity
NA-01-SA	≥ 99%	10 nm	≥ 200 m ² / g	Anatase	High photocatalytic activity Good dispersion ability
NA-01-B	≥ 99%	10 nm	≥ 40 m ² / g	Anatase	For battery use
NA-01-D	≥ 99%	5 nm	≥ 280 m ² / g	Anatase	Large surface specific area High photocatalytic activity
NA-01-W	≥ 94%	10 nm	≥ 60 m ² / g	Anatase, contains nano tungsten trioxide	Excellent photocatalytic activity
NA-01-Z	≥ 94%	10 nm	≥ 60 m ² / g	Anatase, contains nano zinc oxide	Excellent photocatalytic activity

STORAGE AND TRANSPORTION

The products should be stored in a ventilated and dry place as classified with the same batch number to avoid mixing or pollution.

Do not store them directly on the ground. Pallets or plastic sheets shall be used to keep the products protected from moisture. It is prohibited to contact or mixed with substance that may react with the product. Handle with care when transport, loading and unloading. Keep out of direct sunlight and rain.