



亮江化工  
LIANGJIANG CHEM

## DESCRIPTION

NR-03-H & NR-04-H, are rutile grade Nanometer titanium dioxide, with good transparency, obvious bluish color, good UV resistance ( anti-UV-ray ), and feel exquisite. The average particle size is 15 nm ~ 25 nm, specific surface area is more than 30 m<sup>2</sup>/g.

Act as inorganic sun-screening agent, nano grade titanium dioxide has strong absorptivity of UV-light in the area UVB and UVA. It's absorptivity effect obviously better than organic sun-screening agent, and it is safe and non-toxic.

**NR-03-H is hydrophilic, and NR-04-H is oleophilic.**

## KEY FEATURES

- ◆ Obvious bluish color
- ◆ Smallest particle size
- ◆ Good transparency
- ◆ Feeling fine and smooth
- ◆ Excellent UV resistance (anti-UV-ray)

## RECOMMENDED APPLICATIONS

- ◆ UV-resistant materials in fiber, plastic, oil ink, paint, spinning
- ◆ Used as sun-screening agency in cosmetics: sunscreen cream, whitening cream, day & night cream, foundation cream etc
- ◆ Surface paint of slap-up autos

## PACKAGING

The product is packed in fiber drums, and net 10 kg per drum.

It also can be packaged as per customer's requirement.

## CONTACT

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## TYPICAL PROPERTIES

PARAMETER	VALUE	PARAMETER			VALUE
TiO <sub>2</sub> content	≥ 85.0 wt%	Appearance		White powder	
Crystal form	Rutile	Surface treatment		Stearic or silicone oil	
Size distribution D50	10 - 20 nm	Heavy metal	Pb	≤ 8 ppm	
Surface area (BET)	≥ 25 m <sup>2</sup> / g		As	≤ 5 ppm	
Density	0.15 ~ 0.20 g/cm <sup>3</sup>		Hg	≤ 1 ppm	

## 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.

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