



Brands

- Tioxhua ▶
- Hao pu ▶



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Tioxhua R-219

TIOXHUA
泰奥华

R-219

High gloss, high dispersibility and high temperature resistance

Application

Traffic paint, powder coating, paint, plastic selector Chips, masterbatch, and other high temperature resistance required application in plastic system.

Feature

- Excellent flowability of dry powder
- High hiding power
- Special organic treatment, good compatibility with plastic resin and good adaptability to formula
- Compact coating with ZrO₂ and Al₂O₃ on the surface of tio₂, excellent temperature resistance, gloss retention and weather resistance
- The white products made from R-219 have high whiteness and stable hue

Basic characters

Technical process	Rutile titanium dioxide pigment produced by sulfate process
Surface treatment	Coated by silicon, zirconium, aluminum and special organics
Standard classification (ISO 591-1)	R2
Specific gravity (ISO 787 -10)	4.0g/cm ³
TiO ₂ content (ISO 591-1)	≥92.5%
Matter volatile at 105℃ (ISO 787-2)	≤0.5%
Matter soluble in water (ISO 787-2)	≤0.5%
Residue on sieve (45μm) (ISO 787-18)	≤0.01%
Rutile transformation rate	≥98.5%

Technical specification

Oil-phase whiteness (L*) ^{Note.1}	95.4-95.9
Hue (b*) ^{Note.1}	1.7-2.0
Relative scattering power (ISO 787-24)	Compared with the specimen ≥100%
Color specified in the full-shade system (ISO 787-25)	Close to the specimen ΔE≤0.3
PH Value of aqueous suspension (ISO 787-9)	6.5-8.0
Oil absorption (ISO 787-5)	≤20g/100g
Resistivity of aqueous extract (ISO 787-14)	≥80Ω·m
Dispersion under high-speed mixing in polyester system ^{Note.2}	≤27.5μm

Test instruction

1. Testing method of oil-phase whiteness (L*) and Hue (B*): Grand the titanium dioxide with top grinding device and make the powder into film with 100μm thickness. Then calibrate the film with a colorimeter according ASTM standard, measure the film surface and mark the film surface with CIE L*, a*, b*.
2. Testing method of dispersion under high-speed mixing in polyester system: Stri tio₂ sample in polyester resin formulation

with high-speed agitator, then measured the data with fineness dispersion meter and record it; other index testing are strictly complied with related ISO standards.

**For detailed technical information of the product please contact with the supplier.
The product information is subject to the test report.**



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