

TIOXHUA® R-219 Technical Data Sheet

High Opacity, High Weathering Resistance and High Versatility

R-219 is a TiO₂ pigment designed to deliver high opacity in PVC profiles and pipes, powder coatings, road paints and weather durable plastic products.

Key Features

Excellent dry flowability

Outstanding resistance to high temperature and yellowing

Excellent weather resistance

Typical Properties

Processing method	Sulfate
Crystal form	Rutile
Inorganic Surface treatment	SiO ₂ , Al ₂ O ₃ ,
Organic Surface treatment	Yes
Classification (ISO 591-1)	R2
Color (ISO 787-25)	ΔE ≤ 0.5 relative to reference standard
Relative scattering power (ISO 787-24)	95% - 105%
Density (ISO 787-10)	4.0g/cm ³

Typical Data

Items	Value
TiO ₂ content, %	93%
CIE L*, dry powder (GB/T 1864-2012)	95.4
Reducing power (TCS)	2000
PH value (ISO 787-9)	7.2
Oil absorption (ISO 787-5)	19g/100g
Residue on 45μm (ISO 787-18)	0.01%
Resistivity (ISO 787-14)	100Ω*m
Volatiles at 105℃ at packaging (ISO 787-2)	0.4%

* Not to be taken for specifications. Actual data subject to measurement in COA.

Health and Safety Precautions

Relevant local health and safety guidelines should be followed. Gloves, safety goggles and respirator with submicron particle filtration should be worn. MSDS is available upon request.

Packaging

R-219 is available in 25kg paper bags, 500kg and 1000kg jumbo bags.

Chemate Technology Co.,Ltd

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Product Storage

Product should be stored indoors in clean and dry conditions. The shelf life of CHTi'e TiO₂ is 2 years if stored properly. First-in, first-out regime is highly recommended to ensure the performance of the product.

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