

TIOXHUA® R-216 Technical Data Sheet

Outstanding Hiding Power and Excellent Weatherability

R-216 is a versatile TiO₂ that offers exceptional performance in exterior applications calling for high weathering resistance.

Key Features

Excellent weathering resistance

High hiding power

Easy wetting and excellent dispersibility

High gloss

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
Dispersion in polyester system (GB/T 21868.3-2008)	≤27.5μm

Typical Data

Items	Value
TiO ₂ content, %	93%
CIE L*, dry powder (GB/T 1864-2012)	95
Reducing power (TCS)	2050
PH (ISO 787-9)	7.8
Oil absorption (ISO 787-9)	19g/100g
Residue on 45 μm (ISO 787-18)	0.01%
Volatiles at 105 °C 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

Chemate Technology Co.,Ltd

Add: NO.80 PUHUI ROAD,ZHENGZHOU CITY, HENAN PROVINCE, CHINA

URL: <https://www.chemategroup.com/tioxhua-titanium-dioxide-tio2/>

Email: sales@chemategroup.com

Phone: 0086-371-60921621

Whatsapp: +8618624832876

R-216 is available in 25kg paper bags, 500kg and 1000kg jumbo bags.

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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