

TIOXHUA® R-213 Technical Data Sheet

For high quality masterbatch

Excellent Dispersibility, Melt Flow and Resistance to Lacing

R-213 is a specialty TiO₂ with high whiteness and blue undertone, designed for high quality masterbatch and color sheets.

Key Features

Excellent whiteness and blue understone

High dispersibility and melt flow

Conform to FDA regulations for materials in contact with food

Hydrophobic and low in volatiles for enhanced lacing resistance in plastic processing.

Typical Properties

Processing method	Sulfate
Crystal form	Rutile
Inorganic Surface treatment	Al ₂ O ₃ ,
Organic Surface treatment	Yes
Classification (ISO 591-1)	R1
Color (ISO 787-25)	ΔE≤ 0.5 relative to reference standard
Relative scattering power (ISO 787-24)	95% - 105%
Density (ISO 787-10)	4.2g/cm ³

Typical Data

Items	Value
TiO ₂ content, %	97%
CIE L*, dry powder (GB/T 1864-2012)	98
Oil absorption (ISO 787-9)	15g/100g
Volatiles at 105°C at packaging (ISO 787-2)	0.2%

* 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-213 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

Chemate Technology Co.,Ltd

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years if stored properly. First-in, first-out regime is highly recommended to ensure the performance of the product.

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