

Excellent Dispersibility, Melt Flow and Resistance to Lacing

R-213 is a specialty TiO_2 with high whiteness and blue undertone, designed for high quality masterbatch and color sheets.

Typical Properties

Processing Method	Sulfate
Crystal Form	Rutile
Inorganic Surface Treatment	Aluminum Compounds
Organic Surface Treatment	Yes
Classification (ISO 591-1)	R1
Mass Tone (ISO 787-25)	$\Delta E \leq 0.5$
Relative Scattering Power (ISO 787-24)	95% -105%
Density (ISO 787-10)	3.8 – 4.2 g/cm ³

Key Features

- R-213 conforms to FDA, EU and Chinese regulations for materials in contact with food.
- R-213 is hydrophobic and low in volatiles for enhanced lacing resistance in plastic processing.
- R-213 has excellent whiteness and blue undertone.
- R-213 has high dispersibility and melt flow.

Typical Data

$\text{TiO}_2\%$ (ISO 591-1)	97%
CIE L* dry powder (GB/T 5950-2008)	98.0
Relative Scattering Power (ISO 787-24)	95-105%
Oil Absorption (ISO 787-5)	15g/100g
Volatiles at 105°C (ISO 787-2) at packaging	0.2%

* Not to be taken for specifications. Subject to measurements 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 bags, 500kg and 1000kg containers.

Product Storage

Product should be stored indoors in clean and dry conditions. The shelf life of CHTi's TiO_2 is 2 years if stored properly. First-in, first-out regime is highly recommended to ensure the performance of the product.

Disclaimer

Above information is offered free solely for purpose of providing possible suggestions. Given variations in actual end-use conditions, CHTi makes no warranties and assumes no liability in connection with any use of this information.

High Gloss, High Dispersibility and High Opacity

R-2196+ is well suited for solvent-based paint, gloss and matt exterior and interior architectural latex paint, industrial paint and printing ink.

Typical Properties

Crystal Form	Rutile
Inorganic Surface Treatment	Zirconium and Aluminum Compounds
Organic Surface Treatment	Yes
ISO 591-1 and DIN 55912 Classification	R2
ASTM D476 Classification	III
Relative Scattering Power (ISO 787-24)	95% - 105%
Mass Tone (ISO 787-25)	$\Delta E \leq 0.5$
Density (ISO 787-10)	3.8 - 4.2 g/cm ³
Dispersion in Polyester System (GB/T 21868.3-2008)	$\leq 25\mu\text{m}$

Key Features

- High gloss
- Easy wetting and dispersing
- Excellent hiding power
- Excellent whiteness

Typical Data

TiO ₂ Content (ISO 591-1)	93%
CIE L*, dry powder (GB/T 5950-2008)	98.5
pH Value (ISO 787-9)	7.2
Oil Absorption (ISO 787-5)	19g/100g
Residue on 45 μm sieve (ISO 787-18)	0.01%
Resistivity (ISO 787-14)	150 $\Omega\cdot\text{m}$
Volatiles at 105°C (ISO 787-2) at packaging	0.4%

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