



September, 2018

R-2219

High Thermal Stability and High Whiteness

R-2219 is a TiO₂ pigment designed for applications in masterbatch and for powder coating with demanding colour performance.

Typical Properties

Processing Method	Sulfate
Crystal Form	Rutile
Inorganic Surface Treatment	Zirconium and Aluminum Compounds
Organic Surface Treatment	Yes
Classification (ISO 591-1)	R2
Color (ISO 787-25)	$\Delta E \leq 0.5$
Relative Scattering Power (ISO 787-24)	95% - 105%
Density (ISO 787-10)	4.0g/cm ³

Key Features

- High whiteness and blue undertone
- Excellent dry flow property
- High opacity

Typical Data*

TiO ₂ % (ISO 591-1)	94%
CIE L* (GB/T 1864-2012)	95.7
Reducing Power (TCS)	1980
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°C (ISO 787-2) at packaging	0.3%

*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-2219 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 TiO₂ is 2 years if stored properly. First-in, first-out regime is highly recommended to ensure the performance of the product.

Disclaimer

The above information is offered free solely to provide 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.