

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.

Typical Properties

Processing Method	Sulfate
Crystal Form	Rutile
Inorganic Surface Treatment	Silicon and Aluminum Compounds
Organic Surface Treatment	Yes
Classification (ISO 591-1)	R2
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

- Excellent dry flowability
- Outstanding resistance to high temperature and yellowing
- Excellent weathering resistance

Typical Data

TiO ₂ % (ISO 591-1)	93%
CIE L* (GB/T 1864-2012)	95.4
Tinting Strength (TCS)	2000
pH Value (ISO 787-9)	7.2
Oil Absorption (ISO 787-5)	19g/100g
Residue on 45μm sieve (ISO 787-18)	0.01%
Resistivity (ISO 787-14)	100Ω·m
Volatiles at 105°C (ISO 787-2) at packaging	0.4%

* 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-219 is available in 25kg bags, 500kg and 1000kg containers.

Product Storage

Store the product 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

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.

