

**Versatility****High Opacity, High Weathering Resistance and High Versatility**

R-219 is a TiO<sub>2</sub> 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)	△E≤ 0.5
Relative Scattering Power (ISO 787-24)	95% - 105%
Density (ISO 787-10)	3.8 - 4.2 g/cm <sup>3</sup>

**Key Features**

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

**Typical Data**

TiO <sub>2</sub> % (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 TiO<sub>2</sub> 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.



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