

## 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
Color (ISO 787-25)	$\Delta E \leq 0.5$
Relative Scattering Power (ISO 787-24)	95% - 105%
Density (ISO 787-10)	4.0g/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 45 $\mu$ m sieve (ISO 787-18)	0.01%
Resistivity (ISO 787-14)	100 $\Omega$ -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.

