

R-2196

Blue Undertone, High Whiteness and High Gloss

R-2196 is widely used in solvent-based painting which requires good color performance, furniture paint and industrial paint.

Typical Properties

Processing Method	Sulfate
Crystal Structure	Rutile
Surface Treatment	ZrO ₂ , Al ₂ O ₃
Organic Treatment	Yes
Classification (ISO 591-1)	R2
Color (ISO 787-25)	$\Delta E \leq 0.5$
Relative Scattering Force (ISO 787-24)	95%-105%
Density (ISO 787-10)	4.0g/cm ³
Dispersion in Polyester System (GB/T 21868.3-2008)	$\leq 27.5\mu\text{m}$

Key Features

- High gloss
- Easy wetting and self-dispersing
- Blue undertone with moderate whiteness

Technical Data

TiO ₂ % (ISO 591-1)	94%
CIE (L*) (GB/T 1864-2012)	95.3
Reducing Power (TCS)	1950
PH Value (ISO 787-9)	7.0
Oil Absorption (ISO 787-5)	19g/100g
Residue at 45 μm (ISO 787-18)	0.01%
Resistivity (ISO 787-14)	100 $\Omega\cdot\text{m}$
Volatiles at 105 $^{\circ}\text{C}$ (ISO 787-2)	0.3%

Health and Safety Precautions (Details in MSDS)

R-2196 is a safe, non-toxic and harmless product, complying with relevant international standards.

In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter. Wear suitable gloves to protect hands. Wear dust-resistant safety goggles where there is risk of eye contact. Always observe good personal hygiene measures.

Packaging

R-2196 is available in 25-kg bags, 500-kg and 1000-kg containers.

Product Storage

The shelf life of WPA's TiO₂ is 2 years as long as the material is kept in a dry location and not in direct contact with water or moisture. First-in, first-out is highly recommended to guarantee the best performance of the product.

