

R-2219 High Thermal Stability and High Whiteness

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

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

Key Features

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

Technical 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)	19.0g/100g
Residue at 45μm (ISO 787-18)	0.01%
Resistivity (ISO 787-14)	100Ω·m
Volatiles at 105°C (ISO 787-2)	0.3%

Health and Safety Precautions (Details in MSDS)

R-2219 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-2219 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.

