

R-268

HIGH-PERFORMANCE RUTILE TITANIUM DIOXIDE FOR PLASTICS & COATINGS

01 PRODUCT DESCRIPTION

R-268 is a rutile titanium dioxide pigment with alumina and organic surface treatment, offering a blue undertone, high gloss, high scattering power, high durability and excellent dispersibility. It exhibits outstanding covering power and brightness while helping retain the mechanical properties of finished products.

02 TECHNICAL SPECIFICATIONS

PROPERTY	SPECIFICATION	TYPICAL VALUE
TiO ₂ Content, %	≥ 95.00	—
Brightness, %	≥ 94.8	—
Tinting Power (Reynolds Number, TCS)	≥ 1850	—
Volatile at 105°C, g/100g %	≤ 0.5	—
Matter Soluble in Water, %	≤ 0.5	—
pH Value	6.5 – 8.5	—
Oil Absorption, g/100g	≤ 17	—
Fineness (45 µm sieve residue), %	≤ 0.02	—
Rutile Content, %	≥ 98.0	—
Resistivity, Ω·m	≥ 80	—
Oil Dispersible Power (Hegman Number)	≥ 6.0	—
L*	≥ 100.0	—
b*	≤ 1.50	—
Surface Treatment	Alumina, organic	—

Typical values are representative production results provided for reference and do not constitute part of the product specification.

03 RECOMMENDED APPLICATIONS

- PVC, ABS and PS masterbatch
- PVC pipe compounds
- Powder coatings
- Solvent-based paints

04 STORAGE & PACKAGING

STORAGE Store in a dry, well-ventilated area, protected from direct contact with moisture.

PACKAGING 25 kg, 500 kg and 1000 kg bags.

05 SAFETY & HANDLING

Wear gloves, safety glasses with side shields and safety shoes when handling this product. In case of eye contact, flush immediately with clean water and seek medical advice. In case of skin contact, wash thoroughly after use.

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