

R-244

GENERAL-PURPOSE RUTILE TITANIUM DIOXIDE PIGMENT

01 PRODUCT DESCRIPTION

R-244 is a rutile titanium dioxide pigment surface-treated with alumina, zirconia and an organic coating. It offers high whiteness and gloss, high scattering power, high durability and excellent dispersibility. As a general-purpose grade, R-244 is widely used across coatings, plastics, inks and paper applications.

02 TECHNICAL SPECIFICATIONS

PROPERTY	SPECIFICATION	TYPICAL VALUE
TiO ₂ Content, %	≥ 93.00	—
Brightness, %	≥ 94.0	—
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	≤ 20	—
Fineness (45 µm sieve residue), %	≤ 0.02	—
Resistivity, Ω·m	≥ 80	—
Oil Dispersible Power (Hegman Number)	≥ 6.0	—
L*	≥ 100.0	—
b*	≤ 1.80	—
Surface Treatment	Al ₂ O ₃ , ZrO ₂ , organic	—

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

03 RECOMMENDED APPLICATIONS

- Architectural and industrial coatings
- Plastics and masterbatch
- Printing inks
- Paper

04 STORAGE & PACKAGING

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

PACKAGING 25 kg paper bags, or 500 kg and 1000 kg jumbo 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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