Titanium Dioxide (Rutile)

Chloride Process

CAS No.: 13463-67-7
Chemical Formula: TiO_2

PRODUCT DESCRIPTION

Titanium Dioxide (Rutile) is a chloride-process rutile titanium dioxide pigment developed for general-purpose applications in water-based and solvent-based formulations. It offers high whiteness, hiding power and balanced performance across architectural paints, industrial coatings and paper products.

KEY FEATURES

- Neutral tint
- High hiding power
- High whiteness
- Good durability
- Suitable for water-based and solvent-based systems

APPLICATIONS

- Interior and exterior flat architectural paints
- Semi-gloss architectural coatings
- Industrial and decorative coatings
- Water-based paint formulations
- Bible paper, decorative paper and paperboard production

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LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

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PRODUCT SPECIFICATIONS

PARAMETER	TYPICAL VALUE
TiO_2 Content (%)	93
Rutile Content (%)	99.9
L*	98.4
b*	1.80
Specific Gravity (g/cm³)	4.0
Oil Absorption (g/100 g)	20
Mean Particle Size (µm)	0.30
Acid Solubility	1.6
Carbon Black Undertone (CBU)	13.0

PACKAGING
Supplied in standard industrial packaging, with options available to suit customer requirements.

STORAGE & HANDLING
Store in original, sealed packaging in a cool, dry and well-ventilated area. Protect from moisture and contamination. Keep containers securely closed when not in use.

SAFETY
Avoid inhalation of dust and contact with skin and eyes. Use appropriate personal protective equipment when handling the product.

Refer to the current Safety Data Sheet (SDS) for detailed information on safe handling, storage and disposal.