

CR-350

GENERAL-PURPOSE RUTILE TITANIUM DIOXIDE — CHLORIDE PROCESS

01 PRODUCT DESCRIPTION

CR-350 is a general-purpose rutile titanium dioxide pigment produced by the chloride process. Advanced particle-size control technology combined with a tailored surface treatment gives the product whiteness with a bluish undertone, efficient dispersibility and high gloss.

02 TECHNICAL SPECIFICATIONS

PROPERTY	SPECIFICATION	TYPICAL VALUE
TiO ₂ Content, %	≥ 92.5	93.5
Rutile Content, %	≥ 99.8	100
L* (dry powder)	≥ 98.0	98.3
b* (dry powder)	≤ 2.0	1.5
Tint Reducing Power (Reynolds Number)	≥ 1950	1970
CBU	≥ 12.0	12.5
Dispersibility (Hegman)	≥ 6.50	6.75
Oil Absorption, g/100g	≤ 20	18
Slurry pH	6.5 – 8.5	7.2
Electric Resistivity, Ω·m	≥ 80	200
Volatile at 105°C, %	≤ 0.5	0.4
Sieve Residue (45 μm), %	≤ 0.02	0.01
Average Particle Size (SEM), nm	—	230
Inorganic Treatment	ZrO ₂ , Al ₂ O ₃	ZrO ₂ , Al ₂ O ₃
Organic Treatment	Yes	Yes

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

03 RECOMMENDED APPLICATIONS

- High-end decorative paint
- Automotive paint
- Industrial paint
- Printing inks
- Plastics and sealants, and more

04 STORAGE & PACKAGING

STORAGE Avoid product exposure to damp conditions and direct sunlight.

PACKAGING 15 kg, 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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