

TINOX CR-1120 Rutile Titanium Dioxide

CR-1120 is a rutile universal TiO₂ pigment from the chloride process which can be used in paints and coatings as well as in plastics. Produced with advanced technologies, particularly in terms of particle size control, this type of pigment shows **excellent optical properties**. TINOX CR-1120 convinces in the pigmented system by **strong hiding power and tinting strength, excellent gloss properties, excellent dispersibility and a blue undertone**. CR-1120 has an inorganic surface treatment in combination with a special organic post-treatment, which qualifies wide usage in high gloss paints, coatings for sheets, powder paints and polyolefins, PVC, ABS resins.

● Applications

- Exterior industrial finishes
- Powder coatings, Industrial coatings
- Automotive Coatings
- PVC
- Masterbatches
- Inks

● Properties

- Strong hiding power and tinting strength
- Excellent gloss and whiteness
- Bluish undertone
- Excellent dispersibility
- Strong heat stability, processability
- Excellent durability

● Product specification

TiO ₂ content %	≥93.0
Rutile content %	≥99.0
Powder brightness L*	≥98.0
Oil absorption [g/100g]	≤20
Rel. humidity (105C°)	≤ 0.5
Mean Particle size D50,m [µm]	0.27
Surface treatment	Al, Si, Zr, Organic
Tinting strenght in pigmentated system (Reynolds)	≥1880
pH-value	6.5-8.5
Specific resistance Ohm*m	≥ 80
Dispersibility Hegman scale	≥6.50
ASTM D-476	II,III,IV,V
GB/T1706	R2

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