

CR-340

RUTILE TITANIUM DIOXIDE FOR PLASTICS — CHLORIDE PROCESS

01 PRODUCT DESCRIPTION

CR-340 is a rutile titanium dioxide pigment for plastics produced by the chloride process. Advanced particle-size control and surface-treatment technology deliver the dispersibility needed to improve masterbatch productivity, high whiteness with a bluish undertone to expand colour-matching capability, and 300°C heat resistance to protect against yellowing in high-temperature plastic products.

02 TECHNICAL SPECIFICATIONS

PROPERTY	SPECIFICATION	TYPICAL VALUE
TiO ₂ Content, %	≥ 95.0	97.0
Rutile Content, %	≥ 99.8	99.8
L* (dry powder)	≥ 98.0	98.2
b* (dry powder)	≤ 1.9	1.4
Tint Reducing Power (Reynolds Number)	≥ 1850	1920
Dispersibility (Hegman)	≥ 6.50	7.00
Oil Absorption, g/100g	≤ 15.0	14.5
Volatile at 105°C, %	≤ 0.2	0.1
pH	—	7.0
Colour Change at 320°C, ΔE	—	0.5
Filter Pressure Value, bar/g	≤ 0.2	0.2
Average Particle Size (SEM), nm	—	200
Inorganic Treatment	Al ₂ O ₃	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-concentration masterbatch
- High-quality films
- Silk and wire plastics
- Injection-molded plastics
- Rubber and other applications

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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