

KRONOS[®] 2310

KRONOS INFORMATION **2.2**

titanium dioxide

confers outstanding optical properties, very high gloss retention and chalking resistance on coatings

Applications

White and tinted automotive finishes and vehicle refinish systems
 Coil coatings
 Powder coatings
 Water-borne paints
 High-solids
 High-quality industrial coatings

Properties

KRONOS 2310 titanium dioxide

- imparts highest brightness and neutral tone to white coatings
- produces brilliant, clean tints
- is readily dispersed and meets all requirements of modern production methods
- gives very high hiding power and is, therefore, economical in use
- produces haze-free high-gloss coatings

Product Characteristics

Production	rutile pigment produced by the chloride process
Surface treatment	aluminium, silicon and zirconium compounds
TiO ₂ content (ISO 591)	≥ 92.5 %
Standard classification (ISO 591; DIN 55912, Part 1)	R 2
Density (ISO 787, Part 10)	4.0 g/cm ³
Oil absorption (ISO 787, Part 5)	14 – 17 g/100 g

Product Specifications (excerpt)

Compliance with the following product specifications is currently checked and is the prerequisite for a release of the finished product.

Brightness (DFC L*) ¹	97.5 – 98.3
Tone, white (DFC b*) ²	0.9 – 1.7
Relative scattering power (MAB HTS) ³	99.0 – 106.0
Tone, grey (MAB HSC) ⁴	5.4 – 6.3

Methods of determination:

¹ DFC L* brightness in white air-drying paint (CIELAB L*)

² DFC b* tone in white air-drying paint (CIELAB b*)

³ MAB HTS relative scattering power according to DIN 53 165 (grey paste process)

⁴ MAB HSC tone in grey tints (absolute value of CIELAB b*)

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