

KRONOS



KRONOS® 2220

KRONOS INFORMATION 2.2

titanium dioxide

an economical universal pigment for plastics which require the highest outdoor durability and very good optical properties

Applications

PVC-U and PVC-P
Polyolefins
Polystyrene and copolymers
Liquid colours
Powder coatings

Properties

KRONOS 2220 titanium dioxide

- has high lightening and hiding power
- imparts very high brightness to and approaches a neutral undertone in whites
- is readily wetted and dispersed
- confers high durability on plastics used outdoors
- permits the production of pigment preparations with very high pigment loadings

Product Characteristics

Production	rutile pigment produced by the chloride process
Surface treatment	aluminium and silicon compounds and a polysiloxane compound
TiO ₂ content (ISO 591)	≥ 92.5 %
Standard classification (DIN 55912, Part 1; ISO 591)	R 2
Density (ISO 787, Part 10)	4.0 g/cm ³

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	97.2 - 98.0
Undertone, white (DFC b*) ²	1.0 - 1.9
Relative scattering power (VIG HTS) ³	94.0 - 103.0
Undertone, grey (VIG HSC) ⁴	3.2 - 3.8
Dispersibility (DOP) ⁵	≤ 0.02 %

Methods of determination:

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

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

³ VIG HTS relative scattering power after processing in a Vinnol black paste

⁴ VIG HSC undertone after processing in a Vinnol black paste (absolute value of CIELAB b*)

⁵ DOP sieve residue (in %) > 40 µm after dispersion in dioctyl phthalate