

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

Properties

KRONOS 2220 titanium dioxide

- confers high durability on plastics used outdoors
- is readily wetted and dispersed
- has high tinting strength and hiding power
- imparts very high brightness to, and approaches a neutral tone in, whites

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 (ISO 591; DIN 55912, Part 1)	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
Tone, white (DFC b*) ²	1.0 – 1.9
Relative scattering power (VIG HTS) ³	94.0 – 103.0
Tone, 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* tone in white air-drying paint (CIELAB b*)
³ VIG HTS relative scattering power after processing in a Vinnol black paste
⁴ VIG HSC tone after processing in a Vinnol black paste (absolute value of CIELAB b*)
⁵ DOP sieve residue (in %) > 40 μm after dispersion in dioctyl phthalate

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