

KRONOS 9900

KRONOS INFORMATION **2.2**

Digital White - titanium dioxide pigment concentrate

for waterbased and hybrid inkjet inks

Applications

- Inkjet inks
Waterbased and hybrid (H₂O/UV) ink systems,
e.g. for packaging and textile applications.

Properties

KRONOS 9900 Digital White

- has a chloride pigment base providing highest brightness and opacity as well as a bluish tone in white inks
- is a ready-to-use pigment concentrate
- imparts optimized storage stability for inkjet inks
- enables the production of inkjet inks with the required rheological performance
- optimizes processing, thus provides cost reduction due to material savings and reduced complexity
- is dust-free and thus enhances work safety

Typical Product Characteristics

Solids content	52 - 56%
Density (ISO 787-10)	1.60 - 1.70 g/cm ³
pH value	8.5 - 9.5
Viscosity (rotational Rheometer, 25°C, 100 1/s)	< 300 mPas
Shelf life (ex works)	12 months
Colour index*	Pigment White 6 (77891)
CAS No.*	13463-67-7

* based on dry TiO₂ pigment

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KRONOS[®] 2064

KRONOS INFORMATION **2.2**

titanium dioxide

for maximum gloss development and high opacity

Applications

Waterborne and solvent-based, high-gloss gravure and flexographic inks

Packaging coatings

Industrial coatings and wood finishes for interior use

Properties

KRONOS 2064 titanium dioxide

- imparts a high degree of gloss to coatings
- displays excellent dispersibility
- is very economical in use due to its outstanding hiding power and tinting strength
- provides low haze and high gloss in stoving finishes
- is recommended for indoor applications only

Product Characteristics

Production	rutile pigment produced by the sulphate process
Surface treatment	aluminium compounds
TiO ₂ content (DIN EN ISO 591)	≥ 95%
Standard classification (DIN EN ISO 591-1)	R 2
ASTM D 476	Type II & III
Density (DIN EN ISO 787-10)*	4.1 g/cm ³
Bulking value*	0.0293 gal/lb
Oil absorption (DIN EN ISO 787-5)*	17 g/100 g pigment
Colour index	Pigment White 6 (77891)
CAS No.	13463-67-7
REACH Registration No.	01-2119489379-17-xxxx

U.S. Food and Drug Administration (FDA):
Compliance with the FDA requirements depends on the end use or final product application. Detailed information can be obtained via productstewardship@kronosww.com

* Typical value

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KRONOS[®] 2066

KRONOS INFORMATION **2.2**

titanium dioxide

for superior opacity and high gloss development

Applications

High-gloss gravure and flexographic inks
UV-cured printing inks
Reverse and lamination printing
Can coatings
Industrial coatings and wood finishes for interior use

Properties

KRONOS 2066 titanium dioxide

- is very economical in use due to its outstanding opacity
- imparts a high degree of gloss to inks and coatings
- displays rapid wetting performance and excellent dispersibility
- provides superior tinting strength and a warm tone
- is recommended for indoor applications only
- is in compliance as a colourant for Indirect Food Contact (FDA 21 CFR 178.3297)

Product Characteristics

Production	rutile pigment produced by the sulphate process
Surface treatment	aluminium compounds
TiO ₂ content (DIN EN ISO 591)	≥ 95%
Standard classification (DIN EN ISO 591-1)	R 2
ASTM D 476	Type II & III
Density (DIN EN ISO 787-10)*	4.1 g/cm ³
Bulking value*	0.0293 gal/lb
Oil absorption (DIN EN ISO 787-5)*	17 g/100 g pigment
Color index	Pigment White 6 (77891)
CAS No.	13463-67-7
REACH Registration No.	01-2119489379-17-xxxx

* Typical value

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KRONOS[®] 2047

KRONOS INFORMATION **2.2**

titanium dioxide

a special pigment for highly filled systems

Applications

Coating for paper and board
Light weight coated paper (LWC paper)
Matt emulsion paints
Matt printing inks
Synthetic resin plasters

Properties

KRONOS 2047 titanium dioxide

- improves the whiteness and opacity of paper and board
- develops high hiding power in coatings above critical pigment volume concentration
- disperses readily

Product Characteristics

Production	rutile pigment produced by the sulphate process
Surface treatment	aluminium and silicon compounds
TiO ₂ content (DIN EN ISO 591)	≥ 88%
Standard classification (DIN EN ISO 591-1)	R 3
ASTM D 476	Type III
Density (DIN EN ISO 787-10)*	3.8 g/cm ³
Oil absorption (DIN EN ISO 787-5)*	27 g/100 g pigment
Colour index	Pigment White 6 (77891)
CAS No.	13463-67-7
REACH Registration No.	01-2119489379-17-xxxx

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KRONOS[®] 2044

KRONOS INFORMATION **2.2**

titanium dioxide

a special pigment with a high level of inorganic surface treatment for heavily filled systems

Applications

Emulsion paints
Paper coatings
Matt printing inks
Wallpaper coatings

Properties

KRONOS 2044 titanium dioxide

- develops higher hiding power and tinting strength at high pigment volume concentrations than rutile pigments with lower inorganic surface
- imparts a neutral tone and high brightness to coatings
- improves the brightness and opacity of paper coatings
- disperses readily
- confers good exterior durability on coatings
- has a higher water and dispersant demand than standard grades

Product Characteristics

Production	rutile pigment produced by the sulphate process
Surface treatment	aluminium and silicon compounds
TiO ₂ content (DIN EN ISO 591)	≥ 82%
Standard classification (DIN EN ISO 591-1)	R 3
ASTM D 476	Type III
Density (DIN EN ISO 787-10)*	3.6 g/cm ³
Bulking value*	0.0324 gal/lb
Oil absorption (DIN EN ISO 787-5)*	41 g/100 g pigment
Colour index	Pigment White 6 (77891)
CAS No.	13463-67-7
REACH Registration No.	01-2119489379-17-xxxx

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