

## KRONOS 9900

KRONOS INFORMATION **2.2**

Digital White - titanium dioxide pigment concentrate

for waterbased and hybrid inkjet inks

### Applications

- Inkjet inks  
Waterbased and hybrid (H<sub>2</sub>O/UV) ink systems,  
e.g. for packaging and textile applications.

### Properties

#### KRONOS 9900

- 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 <sup>3</sup>
pH value	8.5 - 9.5
Viscosity (rotational Rheometer, 25°C, 100 1/s)	<300 mPas
Colour index*	Pigment White 6 (77891)
CAS No.*	13463-67-7

\* based on dry TiO<sub>2</sub> pigment

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## KRONOS<sup>®</sup> 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 <sub>2</sub> 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 <sup>3</sup>
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](mailto:productstewardship@kronosww.com)

\* Typical value

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KRONOS INTERNATIONAL, Inc., KRONOS Export Department, D-51373 Leverkusen · KRONOS Limited, Wilmslow, Cheshire SK9 1BQ  
KRONOS TITAN GmbH, D-51373 Leverkusen · SOCIETE INDUSTRIELLE DU TITANE S.A., F-75008 Paris · KRONOS CANADA, Inc.,  
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## KRONOS<sup>®</sup> 2066

titanium dioxide

KRONOS INFORMATION **2.2**

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 <sub>2</sub> 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 <sup>3</sup>
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 TITAN GmbH, D-51373 Leverkusen · SOCIETE INDUSTRIELLE DU TITANE S.A., F-75008 Paris · KRONOS CANADA, Inc.,  
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## KRONOS<sup>®</sup> 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 <sub>2</sub> 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 <sup>3</sup>
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 TITAN GmbH, D-51373 Leverkusen · SOCIETE INDUSTRIELLE DU TITANE S.A., F-75008 Paris · KRONOS CANADA, Inc.,  
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## KRONOS<sup>®</sup> 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 <sub>2</sub> 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 <sup>3</sup>
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

\* Typical value

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KRONOS TITAN GmbH, D-51373 Leverkusen · SOCIETE INDUSTRIELLE DU TITANE S.A., F-75008 Paris · KRONOS CANADA, Inc.,  
Montreal PQ, H3B 3W7 · KRONOS, Inc., Dallas/TX 75240