

Product Information

SACHTLEBEN RODI



SACHTLEBEN RODI is alumina-polyol surface treated rutile titanium dioxide pigment. It has been built on the key elements of SACHTLEBEN RDI-S, the industry standard for high quality printing inks. SACHTLEBEN RODI is chemically equal to SACHTLEBEN RDI-S, but its primary particle size (= crystal size) is bigger, approx. 240–250 nm vs. 220 nm of RDI-S. When the final particle size of SACHTLEBEN RODI is optimised, as in SACHTLEBEN RDI-S the outcome is a higher opacity / hiding power with the same high gloss level as in SACHTLEBEN RDI-S.

Recommended primary uses for SACHTLEBEN RODI:

- printing inks: high gloss surface prints, lamination and reverse printing inks
- decorative and industrial coatings

Typical properties

Refractive index		2.7
Relative tint reducing power		1950
Oil absorption [g/100 g pigment]		20
TiO ₂ content [%]		95
Surface treatment		Al ₂ O ₃ , polyol
pH	approx.	7.0
Moisture when packed [%]	max	0.5
Crystal size – TEM (mean) [nm]	approx.	245
Specific gravity [g/cm ³]		4.0
Bulk density [kg/m ³]		800
Bulk density (tamped) [kg/m ³]		1000

Classification

- ▶ ISO 591, DIN 55912 R2
- ▶ CAS no. (TiO₂) 13463-67-7
- ▶ ASTM D476 II
- ▶ EINECS no. (TiO₂) 2366755
- ▶ Colour Index 77891
- ▶ Components listed in TSCA, EINECS
- ▶ Pigment White 6

Safety Precautions

Please see the Material Safety Data Sheet before handling the material.

The manufacture of Sachtleben products is within the scope of the ISO 9001 certified Quality Management System. The Pori plant also has the ISO 14001 certified Environmental Management System.

Great Solutions with Small Particles



SACHTLEBEN

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