

Product Information

SACHTLEBEN R405



SACHTLEBEN R405 is alumina surface treated, hydrophobic titanium dioxide pigment with fast and excellent dispersibility in various plastics in dry processing as well as in normally used liquid plasticizers. As a result of its fine crystal and particle sizes SACHTLEBEN R405 belongs to the family of blue undertone plastics grades.

SACHTLEBEN R405 is particularly recommended for systems where fineness of pigment dispersion in plastics is top priority: plasticized PVC, polyolefins, styrenics, engineering plastics and thermosets. It can also be used in rubber and linoleum.

SACHTLEBEN R405 enables the manufacture of highly pigmented concentrates, e.g. 70% DOP dispersions and polyolefin masterbatches.

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

Typical properties

Refractive index		2.7
Relative tint reducing power		1800
Oil absorption [g/100 g pigment]		19
TiO ₂ content [%]	min	96
Surface treatment		Al ₂ O ₃ , organic
pH		7–8
Moisture when packed [%]	max	0.4
Sieve residue (325 mesh) [%]	max	0.01
Crystal size (mean) [nm]	approx.	190
Specific gravity [g/cm ³]		4.1
Bulk density [kg/m ³]		900
Bulk density (tamped) [kg/m ³]		1000

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 an ISO 14001 certified Environmental Management System.

Sachtleben does not guarantee the accuracy, topicality, correctness, completeness, quality or usefulness of any information provided. Any liability claims in connection with such information are excluded.

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Great Solutions with Small Particles



SACHTLEBEN

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