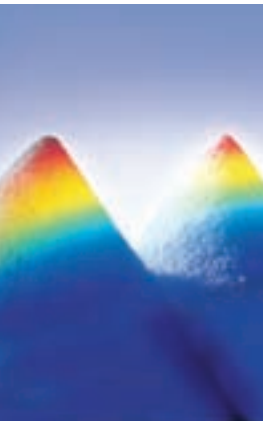
Coatings
Paper
Plastics

Product Information

SACHTLEBEN R 320

R320



The product

Micronized white pigment based on a rutile titanium dioxide.

Applications

Paints and coatings

The optical advantages of rutile pigments over anatase pigments – higher scattering power – predestine SACHTLEBEN R 320 for use in higher-quality primers, extenders, fillers and mastic compounds, concrete colorants, jointing compounds, road-marking paints and interior emulsion paints. Its low specific surface area makes SACHTLEBEN R 320 particularly recommendable for moisture-sensitive systems.

Paper

For use in the pulp as a filler for papers with a low weight per unit of area, such as labeling papers, for example. Its low water-retention capacity makes SACHTLEBEN R 320 suitable for high-wet-strength papers. Also as a pigment in cardboard and paperboard sizes.

Plastics and rubber

Pigmentation of polymer systems requiring pigments with a low moisture content and high temperature stability.

Typical properties

- High scattering and lightening powers
- High dry and wet opacity
- Low specific surface area
- Low water absorption, thus particularly suitable for moisture-sensitive systems.

Storage

Keep the product unstacked in dry and closed rooms at normal temperature and air humidity. To achieve best possible results, we recommend storage under the conditions stated above and use within 12 months from delivery.

Technical data

Titanium dioxide classification	DIN EN ISO 591-1	R1
TiO_2 [%]	C 101101 A	> 98.5
Colorimetric index L*	SC 2001	approx. 97.5
Rel. scattering power[1] [%]	SC 2002	approx. 96
Rel. lightening power[2] [%]	SC 2004	approx. 95
Sieve residue[3] [%]	B 358-01	< 0.05
pH	SC 210	approx. 8.5
Density [g/ml]	DIN EN ISO 787, Part 10	approx. 4.2

1) Reference pigment Std. TiO_2 = 100, PVK = 17% 2) Black paste in Edenol 3) Mesh gauge 45 µm sieve

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SACHTLEBEN

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