

## AEROXIDE® TiO<sub>2</sub> P 25

### Hydrophilic fumed titanium dioxide

#### Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m <sup>2</sup> /g	35 - 65
pH value in 4% dispersion		3.5 - 4.5
Loss on drying* 2 hours at 105 °C	%	≤ 1.5
Tamped density*	g/l	100 - 180
Titanium dioxide based on ignited material	%	≥ 99.50
Al <sub>2</sub> O <sub>3</sub> content based on ignited material	%	≤ 0.300
SiO <sub>2</sub> content based on ignited material	%	≤ 0.200
Fe <sub>2</sub> O <sub>3</sub> content based on ignited material	%	≤ 0.010
HCl content based on ignited material	%	≤ 0.300
Sieve residue (by Mocker, 45µm)	%	≤ 0.050
* ex plant The data represents typical values (no product specification)		

#### Registration (substance or components of substance)

##### AEROXIDE® TiO<sub>2</sub> P 25

CAS-No.	13463-67-7
REACH (Europe)	registered
TSCA (USA), DSL (Canada)	registered
AICS (Australia)	registered
ENCS (Japan), IECS (China), KECI (Korea)	registered

AEROXIDE® TiO<sub>2</sub> P 25 is a highly dispersed titanium dioxide manufactured according to the AEROSIL® process.

#### Applications and properties

##### Applications

- Catalyst carrier
- Active component for photocatalytic reactions
- Heat stabilizer for silicone rubber

##### Properties

- Process related high purity
- Heat stabilizing properties for silicone-elastomers through its effect on redox reactions  
Thereby:
  - Improvement of ageing properties at high temperature (=200 °C)
  - Positive impact on flammability protection

#### Safety and handling

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Resource Efficiency GmbH, Product Safety Department, E-MAIL [sds-hu@evonik.com](mailto:sds-hu@evonik.com) or can be downloaded from our homepage [www.aerosil.com](http://www.aerosil.com). We recommend to read carefully the safety data sheet prior to the use of our product.

#### Packaging and storage

AEROXIDE® TiO<sub>2</sub> P 25 is supplied in multiple layer 10 kg bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. AEROXIDE® TiO<sub>2</sub> P 25 should be used within 2 years after production.

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