

AEROSIL® R 504

Hydrophobic fumed silica

Characteristic physico-chemical data

| Properties and test methods | Unit | Value |
|---|-------------------|------------|
| Specific surface area (BET) | m ² /g | 125 - 175 |
| pH value in 4% dispersion | | 8.5 - 11.0 |
| Loss on drying** 2 hours at 105 °C | % | ≤ 1.5 |
| Bulk density | g/l | approx. 50 |
| SiO ₂ content based on ignited material | % | ≥ 99.8 |
| C content | % | 2.0 - 4.5 |
| Triboelectric charge* | | positive |

* Evonik method

** ex plant

The data represents typical values (no product specification).

Registrations (substance or product components)

AEROSIL® R 504

| | |
|---|---|
| CAS-No. | 199876-44-3 |
| REACH (Europe) | exempted |
| TSCA (USA) DSL (Canada) | exempted, if no chemical reaction is intended |
| ENCS (Japan) IECSC (China) KECI (Korea) PICCS (Philippines) | registered |
| AICS (Australia) | exempted, if no chemical reaction is intended |

AEROSIL® R 504 is a hydrophobic fumed silica treated with HMDS and aminosilane. Which has a positive electrostatic charge and provides efficient free flow aid for toners and dry powders in general. This product is applied to reduce the moisture pick-up behaviour of dry powders.

Applications and properties

Applications

- Toner

Properties

- has a positive electrostatic charge and provides a high charge stability to toners
- Efficient free flow aid for toners and dry powders in general
- is applied to reduce the moisture pick-up behaviour of dry powders

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 Operations, Product Safety Department, E-MAIL sds-im@evonik.com We recommend to read carefully the safety data sheet prior to the use of our product.

Packaging and storage

AEROSIL® R 504 is supplied in multiple layer 5 kg bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. AEROSIL® R 504 should be used within 1 year after production.

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