

AEROSIL® R 805

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		3.5 - 5.5
Loss on drying* 2 hours at 105°C	%	≤ 0.5
C content	%	4.5 - 6.5
Tamped density*	g/l	approx. 60
SiO ₂ content based on ignited material	%	≥ 99.8
* ex plant The data represents typical values (no product specification)		

Registrations (substance or product components)

AEROSIL® R 805

CAS-No.	92 797-60-9
REACH (Europe)	registered
TSCA (USA) DSL (Canada)	registered
ENCS (Japan) IECSC (China) KECI (Korea) CSNN (Taiwan) PICCS (Philippines)	registered
AICS (Australia) NZIoC (New Zealand)	registered

AEROSIL® R 805 is a fumed silica aftertreated with organosilane.

Applications and properties

Properties

- Homogeneously hydrophobic surface
- Effective in the rheological control of complex liquid systems (such as paint and coating systems, adhesive and sealant materials)
- Efficient effect as flow agent
- Fine particle size

Applications

- Very efficient effect in thickening and thixotropy of complex polar liquids such as 2 K epoxy coatings
- Anti-settling agent and for pigment stabilization in coating applications
- The hydrophobia guarantees the efficient effect as flow agent in very different applications, such as powder coatings, toners, or cosmetics
- Rheology control for brilliant clear coat and top coats, such as acrylic/isocyanate coating formulations
- Enhances the anti-corrosion properties for coatings
- The hydrophobia makes the product suitable as an additive in anti-corrosion coatings

Packaging and storage

AEROSIL® R 805 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. AEROSIL® R 805 should be used within 2 years after production.

Safety and handling

A safety data sheet will be provided with your first delivery and with subsequent revisions. Additionally, the Product Safety Department of Evonik Resource Efficiency GmbH can be contacted via mail at sds-hu@evonik.com for specific questions. We recommend to reach the safety data sheet carefully prior to use of the product.

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