

AEROSIL® R 805 VV 90

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. 90
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 VV 90

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 VV 90 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

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 or can be downloaded from our homepage www.aerosil.com. We recommend to read carefully the safety data sheet prior to the use of our product.

Packaging and storage

AEROSIL® R 805 VV 90 is supplied in 90 kg Flexible Intermediate Bulk Containers (FIBC). We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. AEROSIL® R 805 VV 90 should be used within 2 years after production.

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