



Aerosil R 972
Hydrophobic fumed silica

Catalog Nr. Q153

Definition AEROSIL® R 972 is a hydrophobic fumed silica after treated with DDS (Dimethyldichlorosilane) based on a hydrophilic fumed silica with a specific surface area of 130m²/g

CAS Number 68 611-44-9

Application Thickener, protective colloid, binder, stabilizer, and suspending agent, particularly in applications.

Silicone rubber and silicone sealants
Paints and coatings
Printing inks and toner
Adhesives
Cable compounds and gels
Plant protection

Technical Data	Properties	Unit	Typical Value
	Specific surface area (BET)	m ² /g	110 ± 20
	Carbon content	wt. %	0.6 – 1.2
	Average primary particle size	nm	16
	Tapped density* (approx. value) acc.to DIN EN ISO 787/11, Aug. 1983	g/l	approx. 50
	Moisture * 2 hours at 105 °C	wt. %	≤ 0.5
	Ignition loss, 2 hours at 1000 °C, based on material dried for 2 hours at 105 °C	wt. %	≤ 2.0
	pH in 4% dispersion		3.6 – 4.4
	SiO ₂ -content based on ignited material	wt. %	≥ 99.8

Packaging & Handling 22.05lb bag= 10kg bag

UN Number **Class** **Packaging Group**

Remarks

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