

FUMISIL® M170

Hydrophobic Fumed Silica

Property	Value
Appearance	Free-flowing powder from white to light grey colour without strange dissemination
Mass part of silicon dioxide, SiO ₂ , wt.%, min.	99,8
pH of suspension, min.	≥ 3,9
Loss on heating, (2 hrs at 105 °C), wt.%, max.	<0,6
Loss on calcination, (2 hrs at 1000 °C), wt.%, max.	≤ 2
Molal concentration of methyl-silyl groups, mmol/gr, min.	0,4
Molal concentration of hydroxyl groups, mmol/gr.	0,05
Mass part of moisture, %, max	0,6
Bulk density, gr/dm ³ :	
noncompacted	35-60
compacted	70-100
Specific surface, m ² /gr by BET method	175 ± 20
Hydrophobic property, %, min.	>99,0

Product description

FUMISIL® M170, hydrophobic fumed silica, are produced by chemical treatment of hydrophilic grades with silanes or siloxanes.

Packing:

FUMISIL® M170, modified grades, is offered in following packaging: multiple layer 10 kg, 12,5 kg paper bags on pallet.

Safety notes

The product is fireproof, explosion-proof, nontoxic.

Comprehensive instructions are given in the corresponding Material Safety Data Sheets.

Storage

FUMISIL® M170, modified grades, should be stored in the original packaging in dry storage areas.

Guaranteed storage: 12 months.

Application

Thickener of plastic lubricants, agent against caking of free-flowing materials, is a part of polygraphic paints, silicone rubber, adhesives, cable compounds and gels, cosmetics, paints and coatings.