



Silica adsorbents for low pressure column chromatography



- Silica 60; pore size ~ 60 Å; pore volume ~ 0.75 mL/g; spec. surface BET ~ 500 m²/g highly porous, amorphous silicic acid in the form of hard, opalescent particles, prepared by precipitation of water glass with sulfuric acid
- For higher demands on the performance of column packings we recommend our high-purity irregular POLYGOPREP silicas (see before).
- Silica FIA for the fluorescence indicator adsorption procedure for the determination of hydrocarbon groups in the testing of liquid fuels in accordance with DIN 51791 and ASTM D 1319-58T
- The FIA method determines saturated hydrocarbons, olefins and aromatic hydrocarbons of a sample chromatographically by adsorption and desorption in a column filled with FIA silica, in the presence of a fluorescent dye mixture.

Ordering information

Description	Particle size	1 kg	5 kg	25 kg
Silica 60, 0.015–0.04 mm	–	815650.1	815650.5	815650.25
Silica 60, 0.025–0.04 mm	–	815300.1	815300.5	815300.25
Silica 60, 0.04–0.063 mm	230–400 mesh	815380.1	815380.5	815380.25
Silica 60 M, 0.04–0.063 mm	230–400 mesh	815381.1	815381.5	815381.25
Silica 60, 0.05–0.1 mm	130–270 mesh	815390.1	815390.5	815390.25
Silica 60, 0.05–0.2 mm	70–270 mesh	815320.1	815320.5	815320.25
Silica 60, 0.063–0.2 mm	70–230 mesh	815330.1	815330.5	815330.25
Silica 60, < 0.063 mm	+230 mesh	815400.1	815400.5	815400.25
Silica 60, < 0.08 mm	+190 mesh	815310.1	815310.5	815310.25
Silica 60, 0.1–0.2 mm	70–130 mesh	815340.1	815340.5	815340.25
Silica 60, 0.2–0.5 mm	35–70 mesh	815350.1	815350.5	815350.25
Silica 60, 0.5–1.0 mm	18–35 mesh	815360.1	815360.5	815360.25
Silica FIA fine	0.071–0.16 mm	815410.1		
Silica FIA coarse	0.071–0.63 mm	815430.1		

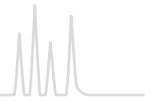
Aluminum oxide

- Aluminum oxides produced by dehydration of different aluminum hydroxides, e.g., hydrargillite between 400 and 500 °C.
- Activity grade I, particle size 50–200 µm, specific surface (BET) ~ 130 m²/g

Ordering information

Description	pH	1 kg	5 kg	25 kg
Aluminum oxide 90 basic	pH 9.5 ± 0.3	815010.1	815010.5	815010.25
Aluminum oxide 90 neutral	pH 7 ± 0.5	815020.1	815020.5	815020.25
Aluminum oxide 90 acidic	pH 4 ± 0.3	815030.1	815030.5	815030.25

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815300.1	260	816310.1	297	818241	281
815300.25	260	816310.5	297	818261	275
815300.5	260	816320.1	297	818329	275
815310.1	260	816320.5	297	818330.20	275
815310.25	260	816330.1	297	818331	275
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815320.1	260	816340.1	297	818333	275
815320.25	260	816340.5	297	818342	281
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815340.1	260	816410.1	297	818413	279
815340.25	260	816410.5	297	818422	279
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