Silica Gel for HPLC Chromatography

AGC offers a broad range of silica gel based packing materials allowing you to select the most suitable grade and product for your application.

Features

- Perfect spherical shape allows for low back pressure and good separation
- Wide range of particle size offerings (1.6 ~ 200μm)
- Narrow particle size distribution
- Specific surface area ranging from 30 to 900 m²/g
- Pore size range (60 ~ 1500A)
- High purity (99.9 to 99.99%)
- Safe, amorphous type silica

Applications

HPLC Chromatography
- An analytical method, applied in various fields, used to separate, identify, and quantify each component in a mixture
- Column bulk development is key technology in chromatography
- AGC offers many types of M.S.GEL as column bulk materials

Medical & Pharmaceutical
- Antibody purification
- Insulin purification
- CoQ10 separation
- Hemo-dialfiltration

Industrial
- Liquid crystal purification
- Metal scavenger

Food & Beverage
- Residual pesticide analysis
- Material analysis

Environment Research
- Water quality
- Soil
- Atmosphere
M.S.GEL Product Line Up

**EP-DF Grades**
Particle size: 1.6 ~ 5μm

Application:
Analytical chromatography
Preparative chromatography
Surface area: 30 ~ 800 m²/g
Pore size diameter: 60 ~ 1000Å
SiO₂ (99.99%): > 99.9%

**EP-DM Grades**
Particle size: 7 ~ 50μm

Application:
Preparative chromatography
Purification chromatography
Surface area: 30 ~ 800 m²/g
Pore size diameter: 60 ~ 1000Å
SiO₂ (99.99%): > 99.9%

**D Grades**
Particle size: 50 ~ 200μm

Application:
Purification chromatography
Flash chromatography
Surface area: 30 ~ 800 m²/g
Pore size diameter: 60 ~ 1000Å
SiO₂ (99.99%): > 99.9%

**FC Grades**
Particle size: 15 ~ 60μm

Application:
Flash chromatography
Surface area: 450 ~ 700 m²/g
SiO₂ (99.99%): > 99.9%

**Wide Pore Size Products**
Pore size: 700Å ~ 1500Å

Application:
Large molecular size analysis and purification (biopolymer, glycoprotein, chiral separation column products, bio sensor, bio reactor, and enzyme or DNA carrier)
Wide pore process available for most particle sizes.

**Chemical Modified**

Application:
Reversed phase chromatography;
Other specific chromatography
All M.S.GEL are available with bonded functional groups (such as C18, C8, C4, Phenyl, CM, SP, AP, NH₂, Diol and ion exchange)