Silica gel, granules TECHNICAL

Moisture absorber, neutral, not deliquescing, not corrosive. It can be regenerated by heating at about 150 °C

Apparent density ..... 0.700 to 0.750
Particle size ..... 2 to 5 mm
Regeneration temperature ..... Min. 150°C
Loss on drying (160°C) ..... Max. 2 %
Water-absorption capacity(25°C;100 % RH) ..... 23 to 36 %

Cat. No.	Pk	Pack type
27613.294	1 kg	Plastic bottle for solids

Silica gel Davison 923

CAS 63231-67-4

SiO_2
M.W. 60.08 g/mol
Storage Temperature: Ambient temperature

Silica gel Davison 923 suitable for use in the testing of petroleum products by IP and ASTM methods

BET surface area ..... 430 to 530 m^2/g
pH (5 %) ..... 5.5 to 7.0
Volatile matter ..... Max. 10.0 %
Fe (Iron) ..... Max. 50 ppm
Particle size (> 60 mesh) ..... Max. 0 %
Particle size (> 80 mesh) ..... Max. 1.2 %
Particle size (> 100 mesh) ..... Max. 5.0 %
Particle size (< 200 mesh) ..... Max. 15.0 %

Cat. No.	Pk	Pack type
15173LX	1 kg	Plastic bottle for solids

Silica gel with moisture indicator ammonium iron (III) sulphate (orange to transparent)

CAS 63231-67-4

SiO_2
M.W. 60.08 g/mol
Storage Temperature: Ambient temperature

Silica gel, granules Chameleon® C 2,5-6 mm drying agent

This product adsorbs water vapour so maintaining a dry environment for your products. When the gel's adsorption capacity is exhausted the colour changes from orange to colourless.
The product can be regenerated back to an orange colour by heating in a drying oven at 120-140°C for approximately 3 hours and then re-used. It is suitable for numerous drying applications although it is not recommended for strongly acidic or strongly alkaline compounds.

Colour change ..... Passes test
Particle size ..... 2.0 to 6.0 mm
pH (20°C; 5 %) ..... 2.0 to 5.0
Loss on drying (140°C) ..... Max. 2.0 %
Water-adsorption capacity (23°C;50 % RH) ..... Min. 23.0 %

Cat. No.	Pk	Pack type
83000.290	1 kg	Plastic bottle for solids
83000.360	5 kg	Bucket (Plastic)

Silica gel, granules Chameleon® C 2-6 mm drying agent

This product adsorbs water vapour so maintaining a dry environment for your products. When the gel's adsorption capacity is exhausted the colour changes from orange to colourless.
The product can be regenerated back to an orange colour by heating in a drying oven at 120-140C for approximately 3 hours and then re-used. It is suitable for numerous drying applications although it is not recommended for strongly acidic or strongly alkaline compounds.

Colour change ..... Passes test
Particle size ..... 2.0 to 6.0 mm
pH (20°C; 5 %) ..... 2.0 to 5.0
Loss on drying (140°C) ..... Max. 2.0 %
Water-adsorption capacity (23°C;50 % RH) ..... Min. 23.0 %

Cat. No.	Pk	Pack type
87185.2500	500	Plastic bag

Supplied as 500 x 5g sachets

Silica gel, granules Chameleon® C 1-3 mm drying agent

This product adsorbs water vapour so maintaining a dry environment for your products. When the gel's adsorption capacity is exhausted the colour changes from orange to colourless.
The product can be regenerated back to an orange colour by heating in a drying oven at 120-140°C for approximately 3 hours and then re-used. It is suitable for numerous drying applications although it is not recommended for strongly acidic or strongly alkaline compounds.

Colour change ..... Passes test
Particle size ..... 1.0 to 3.0 mm
pH (20°C; 5 %) ..... 2.0 to 5.0
Loss on drying (140°C) ..... Max. 2.0 %
Water-adsorption capacity (23°C;50 % RH) ..... Min. 23.0 %

Cat. No.	Pk	Pack type
83001.260	500 g	Plastic bottle for solids
83001.290	1 kg	Plastic bottle for solids
83001.360	5 kg	Bucket (Plastic)

Silicic acid sodium salt

See Sodium silicate p.456

Silicium dioxide

See Quartz p.401

Silicium (IV) oxide

See Quartz p.401

Silicon standard solution, 10,000 mg/l Si in water with hydrofluoric acid (max. 1%)

CAS 7440-21-3
EINECS: 231-130-8

Si
M.W. 28.09 g/mol
Storage Temperature: Ambient temperature

Silicon standard solution, 10,000 mg/l Si in water with hydrofluoric acid (max. 1%) (from $(NH_4)_2SiF_6$) ARISTAR® standard for ICP

$(NH_4)_2$ SiF_6 in H_2O tr. HF

Traceable to SRM from NIST, tested in ISO Guide 34 /ISO17025 accredited laboratory.

Cat. No.	Pk	Pack type
456012Y	100 ml	Plastic bottle

Supplied with certificate of analysis.