

Non-Indicating Silica Gel, Granular

A narrow pored granular form of amorphous silica free from extraneous matter. The irregular granules are a white/translucent color.

They remain physically unchanged when dry and when saturated with water.



Typical Properties

Moisture content at 145°C 2% maximum Equilibrium capacity for water vapor at 25°C and given relative humidity (r.h.)	2% maximum
10% r.h.	> 6½ % w/w (weight for weight)
20% r.h.	> 12% w/w
50% r.h.	> 27% w/w
80% r.h.	> 36% w/w

BET Surface Area	600 - 800 m ² /g
Pore volume	0.35 - 0.45 ml/g
Average pore diameter	20 - 30 Å
pH (10% aqueous solution)	Not less than 3.5
Bulk density	700 - 770 g/l

Water soluble sulphates	1.0% maximum
Water soluble chlorides	0.05% maximum
Ammonia/ammonium compounds	10mg/kg maximum
Friability and dust	Not more than 0.5% less than 125 micron

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Particle Sizes	Very Fine	0.2 – 0.5 mm
	Fine	0.5 – 1.0 mm
	Medium	1.0 – 3.0 mm
	Coarse	3.0 – 6.0 mm
Toxicity	Non-toxic	
Storage	Packages should be kept closed and in a dry place	
Shelf life	Shelf-life of between one and three years depending on packing type	
Regeneration can be carried out at temperatures between 248°F and 302°F.		

Packaging design may vary. This material meets the requirements of BS 2540:1991 Granular Desiccant Silica Gel, DIN 55473:2001-2002 and Mil-D-3464E

Product Code:	Nominal Dessicant Content (g)	Nominal Dimensions W x L (in)	Qty/Box
309-0077	0.5	0.59 x 1.1	500
309-0079	1	0.7 x 1.3	250
309-0080	3	0.9 x 2.1	250
309-0081	10	1.5 x 2.9	100
309-0082	25	1.9 x 4.3	100
309-0083	50	3.0 x 4.5	100
309-0084	100	3.6 x 4.9	100



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