

Non-Indicating Silica Gel, Granular

**RoHS
Compliant**



Description

A narrow pored granular form of amorphous silica free from extraneous matter. The irregular granules are a white/translucent colour. They remain physically unchanged when dry and when saturated with water.

Typical Properties

Moisture content at 145°C 2% maximum Equilibrium capacity for water vapour at 25°C and given relative humidity (r.h.)	2% Max.
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% Max.
Water soluble chlorides	0.05% Max.
Ammonia/ammonium compounds	10mg/kg Max.
Friability and dust	Not more than 0.5% less than 125 micron

Particle Sizes	Very Fine	0.2 – 0.5mm
	Fine	0.5 – 1mm d
	Medium	1 – 3mm
	Coarse	3 – 6mm
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 120°C and 150°C.		

Part Number Table

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Non-Indicating Silica Gel, 50G, 80mm × 120mm, PK100	MC3090083

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