

Silica Gel Specification Sheet - Fine-pored Silica Gel (Type A)

Characteristics

Transparent or translucent glass-like pellet or lump.

Average pore diameter: 2.0-4.0 mm.

Surface area: 650-800 m²/g

Pore volume: 0.35-0.45 ml/g

Specific heat: 0.92 KJ/kg. °C

Thermal conductivity: 0.63 KJ/m.hr. °C

Use: Mainly used for drying and moisture proofing, may also be used as catalyst carriers, adsorbents, separators and variable-pressure adsorbents, etc.

Technical Data

| ITEM | | Specification | Typical Values |
|--|------------|---------------|----------------|
| Adsorption capacity | RH=20%,% ≥ | 10.0 | 11.2 |
| | RH=50%,% ≥ | 22.0 | 29.2 |
| | RH=90%,% ≥ | 32.0 | 37.6 |
| Loss on heating % ≤ | | 2.0 | 1.0 |
| PH | | 4-8 | 4 |
| Specific resistance Ω.cm ≥ | | 3000 | 5630 |
| Silica % ≥ | | 98 | 98.5 |
| Qualified ratio of spherical granules % ≥ | | 90 | 92 |
| Size | | * | 2-4mm |
| Bulk density g/L | | * | 780 |
| Note: Qualified ratio of spherical granules is only applicable to fine-pored silica gel | | | |

Size: 2-4mm beads

Packaging: The Non-Indicating products use a combination of either Non-Woven Composite materials or Tyvek 1056D by DuPont materials. The indicating products use Biaxially Oriented Polypropylene (BOPP) plastic packaging materials.

Production standards meet Chinese Medical and Pharmaceutical Packaging Industry Standard YBB00122005. Manufacturing is restricted to air controlled, sterilised environments to avoid any contaminants being introduced.

All packaging materials, inks used in printing on the sachets and the Silica Gel products are US Food and Drug Administration safe to be in direct contact with food and pharmaceuticals.

Testing: All products have to pass the following Physico-Chemical Index testing metrics: Escherichia coli, Yeast & mould, Bacterial count, Solvent residue, Decolourisation, Paper fluorescence

Packaging Description for non-indicating products:

White sachet, with blue words “Silica Gel” and Do Not Eat”.

Packaging Description for indicating products:

Clear BOPP plastic sachet, with blue words “Silica Gel” and Do Not Eat”.

