



## Silica Gel Type A

**Silica Gel Type A** is a high purity narrow pore silica gel well suited for adsorption of gases and vapors. Due to the lower adsorption forces, silica gel is also easier to regenerate. Suggested applications include protective packaging, commercial air and gas drying, purification and separation as well as catalyst carriers and adsorbents. It is also the material to produce indication grade silica gels.

SilicaStar offers Silica gel adsorbents in granular or beaded form.

### Characteristics

- Pore Volume: 0.35-0.45ml/g
- Pore Diameter: 20-30 Angstrom
- Surface Area:  $\geq 720$  m<sup>2</sup>/g

Properties		Specifications
Adsorption Capacity	RH=10%, $\geq$ %	6
	RH=20%, $\geq$ %	11
	RH=40%, $\geq$ %	22
	RH=60%, $\geq$ %	30
	RH=80%, $\geq$ %	36
Loss on heating, $\leq$ %		5
Qualified ratio of granules/beads, $\geq$ %		92
Bulk density, lb/cu.ft		46
Size, mm		2-5, 1-3, 2-4
Crushing Strength (kg)/per bead		11
Crushing Strength (lb)/per bead		25
Packaging		25kg, 500kg sacks or air tight drums
Appearance		Semitransparent or translucent glass-like beads or granules

### Storage

Due to the moisture properties of desiccant, the sack or containers must not be opened for any longer period than is absolutely necessary for withdrawals. Withdrawals shall be limited to the quantity intended to be used. The sacks or containers shall be tightly resealed immediately after any withdrawal.