

## Product

### Silica Alumina Gel



#### Characteristics

**Chemical molecular formula:**  $\text{SiO}_2 \cdot n\text{Al}_2\text{O}_3 \cdot x\text{H}_2\text{O}$ .

**Color:** light yellow.

Chemically stable, flame-resisting, insoluble in any solvent. In comparison with fine-pored silica-gel, the adsorption capacity of fine-pored silica alumina gel is quite the same when used at low relative humidity (e.g. RH=10%, RH=20%), while its adsorption capacity at high humidity is 6-10 % higher than that of fine-pored silica gel. Its thermal stability is over 150°C higher than that of fine-pored silica gel (200°C). Ideally suited for use as adsorbent and variable-temperature adsorbent.

#### Use

Mainly used for the dewatering of natural gas, adsorption and separation of light hydrocarbon at variable temperatures. It may also be used as catalyst and catalyst support in petrochemical industry, as industry drier, as liquid adsorbent and gas separator, etc.

#### Technical Data

ITEM		Specifications
Adsorption capacity, %	RH=10%, ≥	5.5
	RH=20%, ≥	9.0
	RH=40%, ≥	19.0
	RH=60%, ≥	30.0
	RH=80%, ≥	36.0
Pore volume, ml/g		Approx. 0.4
Specific surface area, m <sup>2</sup> /g		600-800
Bulk density, g/l		Approx. 750
SiO <sub>2</sub> content, %		Approx. 97
Al <sub>2</sub> O <sub>3</sub> content, %		Approx. 3
Moisture content, %, ≤		2.0
Compression strength, N/particle		200

**Size:** 2-4mm, 1-3mm.

**Packaging:** 25 kg per bag, net.

**Notes:** Packing and size may be customized per your specific requirements.

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