

# Solid Supports and Packings

## Molecular Sieves

Molecular sieves are synthetic alkali metal aluminosilicates with various cations. They are primarily used for the separation of fixed gases and drying of liquid or gas streams. Molecules are adsorbed primarily because their molecular diameter matches the pore diameter of the molecular sieve. They can be reactivated by heating at 250°C for 12 hours; 300°C for 4 hours; or 350°C for 2 hours.

Ordering Information		
Mesh size	QTY	Part No.
<b>Molecular Sieve 3A</b>		
40/60	100g	0900-C001
60/80	100g	0900-C002
80/100	100g	0900-C003
100/120	100g	0900-C004
<b>Molecular Sieve 4A</b>		
40/60	100g	0900-C005
60/80	100g	0900-C006
80/100	100g	0900-C007
100/120	100g	0900-C008
<b>Molecular Sieve 5A</b>		
40/60	100g	0900-C009
60/80	100g	0900-C010
80/100	100g	0900-C011
100/120	100g	0900-C012
<b>Molecular Sieve 13X</b>		
40/60	100g	0900-C013
60/80	100g	0900-C014
80/100	100g	0900-C015
100/120	100g	0900-C016

## Activated Alumina

Activated alumina is useful for the analysis of light hydrocarbons. Unsaturated hydrocarbons are retained longer than saturated ones. They dry and “sweeten” liquid or gas streams.

Ordering Information		
Mesh size	QTY	Part No.
<b>Activated Alumina, Type F-1</b>		
40/60	100g	0900-G001
60/80	100g	0900-G002
80/100	100g	0900-G003
100/120	100g	0900-G004

## Silica Gel

Silica Gel is commonly used for the analysis of fixed gases and light hydrocarbons. It is also useful for dehydration of gases and liquids. Silica Gel also strongly adsorbs hydrogenbonding compounds.

Ordering Information		
Mesh size	QTY	Part No.
<b>Activated Alumina, Grade 12</b>		
40/60	100g	0900-H001
60/80	100g	0900-H002
80/100	100g	0900-H003
100/120	100g	0900-H004