

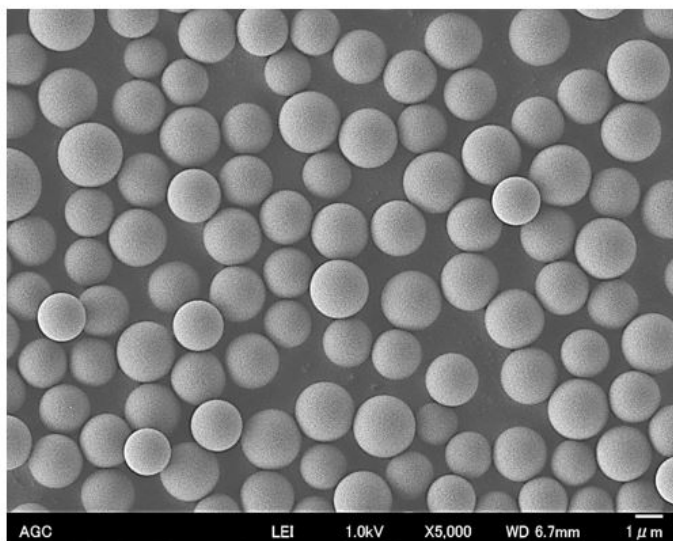
## RESIFA™ M.S.GEL™ Silica Packing Material for SEC

### Introduction

Size Exclusion Chromatography (SEC) is a chromatic process that separates larger molecules such as polymers, biopolymers, polysaccharides, and proteins by size and in some cases, molecular weight. RESIFA™ M.S.GEL™ silica provides a wide range of particle sizes (1.6µm – 5µm) with pore size ranges from 250-500Å. M.S.GEL spherical particles with a narrow particle size distribution minimize back pressure and is the best choice for Size Exclusion Chromatography.

### Characteristics

- Available in a wide variety of particle sizes - 1.6µm, 3µm, 5µm
- Pore size distribution is strictly controlled - 25 nm, 45 nm
- High mechanical strength



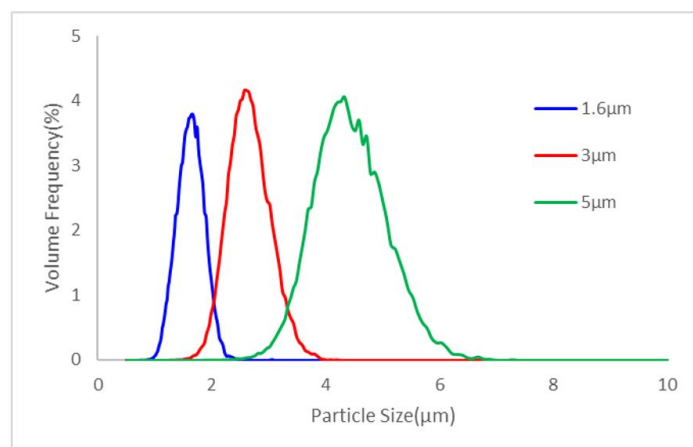
SEM image for M.S.GEL

## RESIFA™ M.S.GEL™ Silica Packing Material for SEC

### Physical Properties

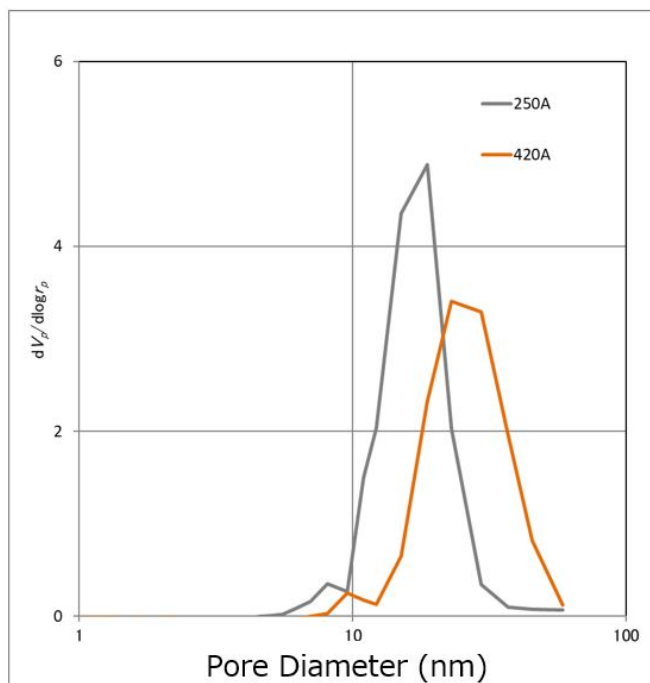
Grade	Particle Size Distribution D50	Pore Diameter	Pore Volume
EP-DM-1.6-250A	1.6 $\mu\text{m}$	25 nm	1.5 ml/g
EP-DM-3-250A	2.7 $\mu\text{m}$	25 nm	1.5 ml/g
DP-DF-5-250A	4.0 $\mu\text{m}$	25 nm	1.5 ml/g
EP-DM-1.6-420A	1.6 $\mu\text{m}$	45 nm	1.5 ml/g
EP-DM-3-420A	2.7 $\mu\text{m}$	45 nm	1.5 ml/g
EP-DF-5-500A	4.0 $\mu\text{m}$	45 nm	1.5 ml/g

### Particle Size Distribution



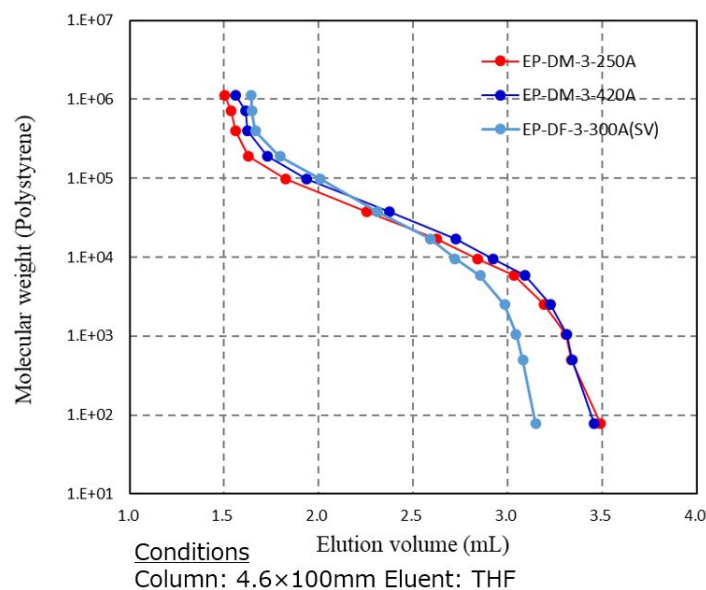
## RESIFA™ M.S.GEL™ Silica Packing Material for SEC

### Pore Size Distribution



## RESIFA™ M.S.GEL™ Silica Packing Material for SEC

### Calibration Curve



### Additional Information

#### Packaging

M.S.GEL™ products are packaged in a plastic bottle or carton, double-lined with a polyethylene bag.

#### Storage and Shelf Life

M.S.GEL™ silica have a shelf life of >2 years from the date of manufacture when stored in the original, unopened package between 10 and 40 °C.

#### Safety and Handling

A Safety Data Sheet for this product can be obtained from your local AGC representative. Before handling, it is recommended to review the Safety Data Sheet for handling, safety and health information.

#### Product Specifications

Additional product specifications and information can be obtained by request.

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