RESIFA™ M.S.GEL

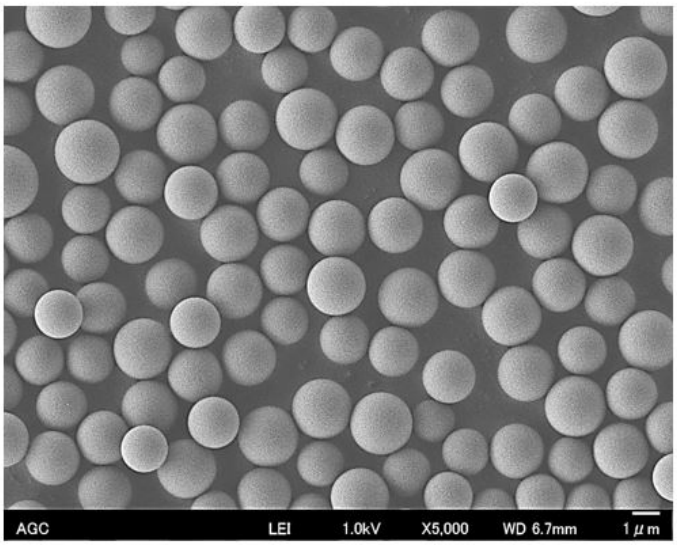
RESIFA™ M.S.GEL™ Silica Packing Material for SEC

Introduction

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

Characteristics

- Availabile 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

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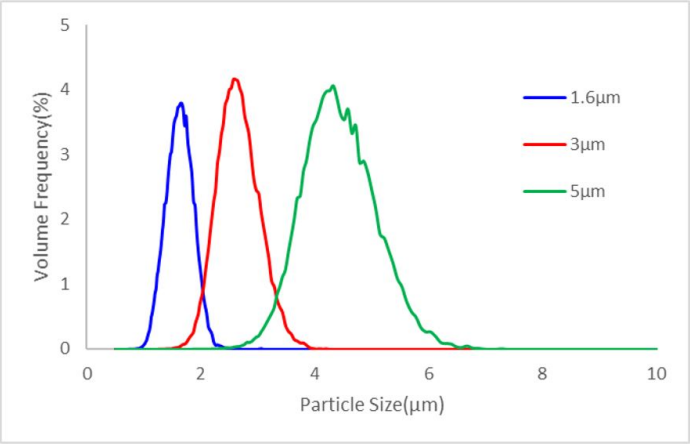
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Physical Properties

Grade	Particle Size Distribution D50	Pore Diameter	Pore Volume
EP-DM-1.6-250A	1.6 µm	25 nm	1.5 ml/g
EP-DM-3-250A	2.7 µm	25 nm	1.5.ml/g
DP-DF-5-250A	4.0 µm	25 nm	1.5 ml/g
EP-DM-1.6-420A	1.6 µm	45 nm	1.5 ml/g
EP-DM-3-420A	2.7 µm	45 nm	1.5 ml/g
EP-DF-5-500A	4.0 µm	45 nm	1.5 ml/g

Particle Size Distribution



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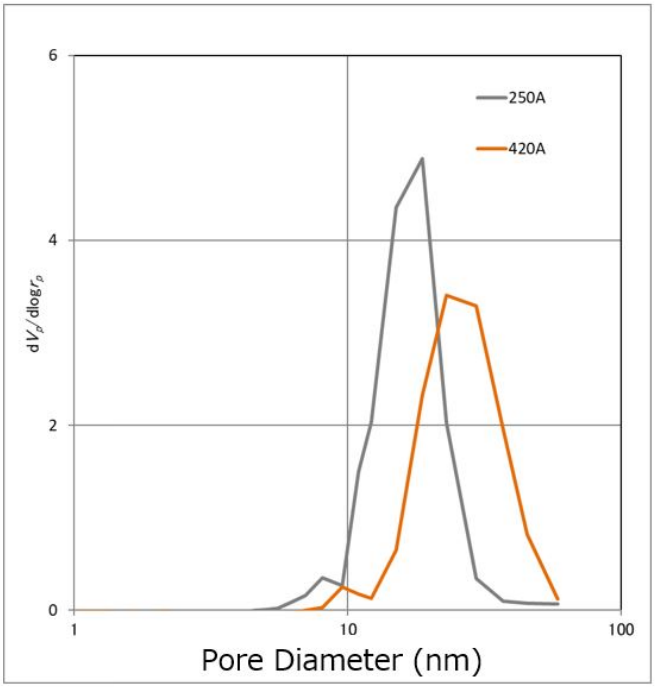
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Pore Size Distribution



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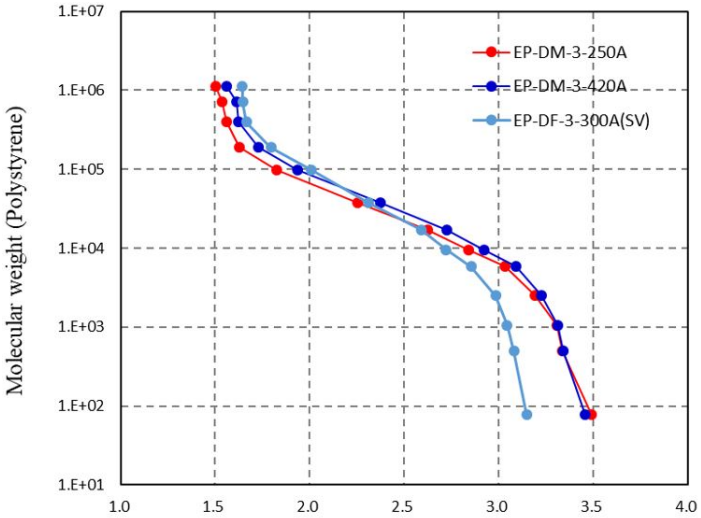
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Calibration Curve



Conditions
Column: 4.6×100mm Eluent: THF

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 orignal, 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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Chemistry for a Blue Planet
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