RESIFA™ M.S.GEL

RESIFA™ M.S.GEL™ FC-Series Product Information

Product Description

RESIFA™ M.S.GEL™ FC series is a synthetic spherical silica having low back pressure, good particle size distribution and good performance in flash chromatography applications. We have two types of FC series: high surface area and low surface area. M.S.GEL™ FC series is available in a variety of particle sizes.

Product Line Up

Product Family	15µm	20µm	25µm	60µm
High Surface Area				
Specific Surface Area = 700 m2/g **Pore Volume = 0.85 ml/g** **Pore Diameter = 5.0 nm**	FC-15(H)	FC-20(H)	FC-25(H)	FC-60
Low Surface Area	**15µm**	**20µm**	**25µm**	**60µm**
Specific Surface Area = 450 m2/g **Pore Volume = 0.85 ml/g** **Pore Diameter = 9.0 nm**	FC-15(L)	FC-20(L)	FC-25(L)	-

High Surface Area Type

		FC-15(H)	FC-20(H)	FC-25(H)	FC-60
Mean particle size	**µm**	15 ± 2.0	20 ± 2.0	25 ± 2.0	-
D10/D90	**-**	≤2.2	≤2.2	≤2.2	-
75 µm up	**%**	-	-	-	≤10.0
35 µm down	**%**	-	-	-	≤10.0
Specific surface area	**m^2/g**	700 ± 100	700 ± 100	700 ± 100	680 ± 50
Pore volume	**mL/g**	0.85 ± 0.15	0.85 ± 0.15	0.85 ± 0.15	0.90 ± 0.10
Pore diameter	**nm**	5.0 ± 2.0	5.0 ± 2.0	5.0 ± 2.0	5.4 ± 1.0
pH	**-**	6.5 ± 1.5	6.5 ± 1.5	6.5 ± 1.5	7.0 ± 1.0
Loss on drying	**%**	≤15.0	≤15.0	≤15.0	≤15.0

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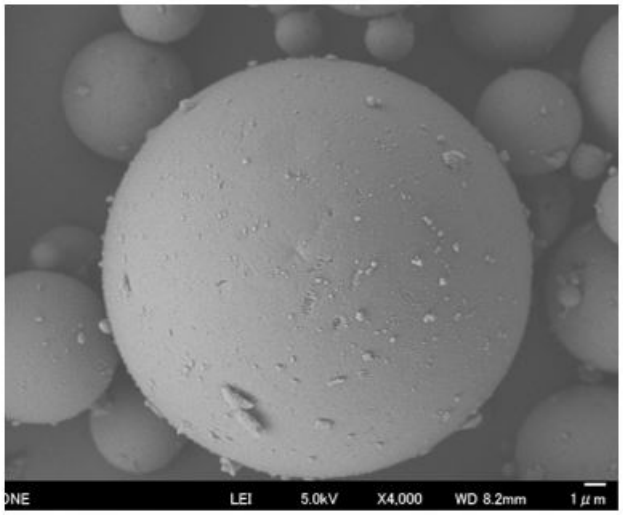
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Low Surface Area Type

		FC-15(L)	FC-20(L)	FC-25(L)
Mean particle size	μm	15 ± 2.0	20 ± 2.0	25 ± 2.0
D10/D90	-	2.2	2.2	2.2
Specific surface area	m^2/g	450 ± 100	450 ± 100	450 ± 100
Pore volume	mL/g	0.85 ± 0.15	0.85 ± 0.15	0.85 ± 0.15
Pore diameter	nm	9.0 ± 3.0	9.0 ± 3.0	9.0 ± 3.0
pH	-	6.5 ± 1.5	6.5 ± 1.5	6.5 ± 1.5
Loss on drying	%	≤15.0	≤15.0	≤15.0

M.S.GEL™ FC-25 Particle Structure



Photograph of FC-25

Additional Information

Packaging

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

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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.

RESIFA™ and M.S.GEL™ are registered trademarks of AGC Inc.

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