

SEPLITE® Monojet™ MB610U I



·Описание

SEPLITE® Monojet™ MB 610U — это готовая смесь ионообменных смол для ФСД класса "Для полупроводниковой промышленности", специально разработанная для окончательной стадии очистки воды, состоящая из эквивалентной по емкости смеси сильноокислых катионов (SAC) и сильноосновных катионов (тип I). гель-аниононовые (SBA) смолы.

The resins are highly regenerated and specially cleaned in order to comply with the specifications of producing high purified water, such as low TOC leaching, high operating capacity for one-use application.

With its uniform particle size which enables excellent kinetic performance and high service flow rate, the low fines result in very low pressure losses compared with Gaussian distributed resins.

It is specifically designed for use in Non-regenerable final polishing mixed beds in ultra-pure water systems in the semiconductor industry and similar demanding applications.

·Physical and Chemical Characteristics

Matrix Structure	Gel, Styrene-divinylbenzene	
Functional group	Sulfonic acid / quaternary amine	
Shipping form	H ⁺ / OH ⁻	
Physical Appearance	Amber to brown translucent spherical beads	
Particle size (mm)	Cation: 0.55±0.05mm	Anion: 0.59±0.05mm
Moisture content (%)	48-53 (H ⁺ Form)	60-66 (OH ⁻ Form)
Total Capacity(eq/L)	≥1.9 (H ⁺ Form)	≥1.0 (OH ⁻ Form)
Regenerated Conversion (%)	>99	>95
Cation/Anion chemical equivalent ratio	1:1	
Bulk Density (g/l)	690-740	
Uniform coefficient	<1.2	<1.2
TOC leakage*	<1 ppb after 100 BV rinsing	
Resistivity*	>18 MΩ.cm after 2 BV rinsing	

Note * Recommended influent water quality: Inlet Resistivity > 17.5 MΩ.cm, TOC < 2 ppb, silica < 2 ppb



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PRODUCT INFORMATION

SEPLITE® Monojet™ MB610U

Uniform particle size, Semi-conductor grade final polishing Mixed bed resin,
Ultra pure water



·Precautions

Resins should be stored in sealed containers or bags where temperature was above 0°C in dry conditions without exposure to direct sunlight.

Do not mix ion exchange resin with strong oxidizing agents; otherwise it will cause violent reactions.

In case of eyes contact with resins, rinse eyes immediately with plenty of water, and consult a specialist.

Material and samples must be disposed according to local regulations.

Dry polymers will expand when become wetted and may cause an exothermic reaction.

Spilled materials may be slippery.

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