

QuantumPure™ GMB-300 Product Data Sheet

Mixed Bed IX Resin

LG QuantumPure™ offers a comprehensive selection of high-performance ion exchange (IX) resins, designed to address a wide range of water treatment needs from deionization and softening to selective ion removal. Manufactured with state-of-the-art processes, LG QuantumPure™ IX resins provide consistent quality, excellent chemical resistance, and extended service life, reducing the frequency of replacements and maintenance.



Key Features

- Ready to use, pre-regenerated Gaussian cation & anion resin in equivalent exchange capacity.
- Good operational stability



Key Benefits

- Cost-effective water treatment
- Removal of both cations and anions
- Ready-to-use



Key Applications

- Demineralization
- Condensate polishing
- RO permeate water polishing
- Boiler feed water

Physical and Chemical Properties

Product Name		QuantumPure™ GMB-300	
Matrix		Styrene-divinylbenzene, Gel	
Functional Group		Sulfonic Acid	Type 1 (Trimethylammonium)
Ionic Form		H ⁺	OH ⁻
Average Diameter (μm)		300–1,200	300–1,200
Uniformity Coefficient		≤1.6	≤1.6
Ionic Conversion (%)	H ⁺	99.0 Min	-
	OH ⁻	-	95.0 Min
	Cl ⁻	-	1.0 Max
Mixed Ratio		1:1 (by equivalents) Cation : Anion	
Inlet Condition	Specific Flow Rate	SV36	
	Conductivity	10 μs/cm	
Outlet Condition	Resistivity	Guaranteed: ≥15.0 MΩ·cm (in 10min.)	
		Actual: ≥17.0 MΩ·cm (in 10min.)	

Recommended Operating Conditions

Max. Operating Temp.. (°C) [°F]	60 [140]
Min. Bed Depth (mm)	600
pH Range	0–14
Service Flow Rate (m/h)	5–60

*The values specified are for reference only and does not guarantee performance.

The product performance is expressly conditioned on Buyer's storing, installing, operating, and maintaining Product in accordance with industry accepted good practices and Seller's written instructions provided in the Seller's Technical Manual may be viewed and downloaded at www.lgwatersolutions.com information and data contained herein are Deemed to be accurate and reliable and are offered in good faith, but without guarantee of performance. LG Chem assumes no liability for results obtained or damages incurred

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