

QuantumPure™

Product Data Sheet

Inert Resins

LG QuantumPure™ offers a comprehensive range of high-performance Ion Exchange (IX) resins, designed to meet a wide range of water treatment needs from deionization and softening to selective ion removal. Produced using state-of-the-art manufacturing processes, LG QuantumPure™ IX resins deliver consistent quality, excellent chemical resistance, and extended service life, reducing the need for frequent replacements and maintenance.

[IR-30]

Boundary layer in a mixed bed system for resin layer separation

[IR-70]

Top layer in packed bed system for resin leakage prevention and regenerant chemicals dispersion

Physical and Chemical Properties

| Product Name | QuantumPure™ IR-30 | QuantumPure™ IR-70 |
|------------------------|------------------------------------|-----------------------|
| Matrix | Methyl Methacrylate-divinylbenzene | Polystyrene |
| Specific Gravity* | 1.13–1.16 | 0.85–0.95 |
| Average Diameter (µm) | 700–900 | ≥1,200 |
| Shipping Weight (g/L)* | 670–720 | 500–600 |

Recommended Operating Conditions

| | | |
|--------------------------|-----------|----------|
| Operating Temp (°C) [°F] | 100 [212] | 90 [194] |
| Min. Bed Depth (mm) | 150 | 150 |
| pH Range | 0–14 | 0–14 |

*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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