PRODUCT DATASHEET

Purolite®
MB400

Polystyrenic Gel Gel Mixed Bed Resin Hydrogen form Hydroxide Form

PRINCIPAL APPLICATIONS

- Demineralization - Mixed Bed
- Cartridges

ADVANTAGES

- General purpose

SYSTEMS

- Coflow regenerated systems
- Counterflow regenerated systems
- Mixed Bed

REGULATORY APPROVALS

- IFANCA Halal Certified

TYPICAL PACKAGING

- 1 ft³ Sack
- 25 L Sack
- 5 ft³ Drum (Fiber)

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Appearance	Spherical Beads	
Moisture Content (max.)	65 %	
Particle Size Range	300 - 1200 µm	
< 300 µm (max.)	1 %	
Uniformity Coefficient (max.)	1.7	
Shipping Weight (approx.)	705 - 740 g/L (44.1 - 46.2 lb/ft³)	
Temperature Limit, Non-Regenerable Bed	100 °C (212.0 °F)	
Temperature Limit, Regenerable Bed	60 °C (140.0 °F)	
Component Name	Gel Strong Acid Cation	Gel Type I Strong Base Anion
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene	Gel polystyrene crosslinked with divinylbenzene
Functional Group	Sulfonic Acid	Type I Quaternary Ammonium
Ionic Form	H^+ form	OH^- form
Cation / Anion Volumetric Ratio	40 %	60 %

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