

PRODUCT DATA SHEET

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
- Working 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/ft ³) | |
| 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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