

## PRODUCT DATA SHEET

# Purolite® MB400QR

Polystyrenic Gel, Gel, Mixed Bed  
Resin, Hydrogen form, Hydroxide  
form, With Indicator

## PRINCIPAL APPLICATIONS

- Demineralization - Mixed Bed

## ADVANTAGES

- Dyed Cation to indicate exhaustion
- Freeflowing mixture



## SYSTEMS

- Coflow regenerated systems
- Counterflow regenerated systems
- Mixed Bed

## TYPICAL PACKAGING

- 1 ft<sup>3</sup> Sack
- 25 L Sack
- 5 ft<sup>3</sup> 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 <sup>3</sup> ) |                                                 |
| 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 <sup>+</sup> form                             | OH <sup>-</sup> form                            |
| Cation / Anion Volumetric Ratio        | 40 %                                            | 60 %                                            |



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