



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)

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 %

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
Functional Group	Sulfonic Acid Type I Quaternary Ammonium
Ionic Form	H ⁺ form OH ⁻ form
Cation / Anion Volumetric Ratio	40 % 60 %

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