

PRODUCT DATA SHEET

Purolite® MB3710

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

PRINCIPAL APPLICATIONS

- Demineralization - Mixed Bed

ADVANTAGES

- General purpose
- Coflow regenerated systems
- Counterflow regenerated systems
- Non-Regenerable

SYSTEMS

- Mixed Bed

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.)	0.5 %	
Uniformity Coefficient (max.)	1.7	
Shipping Weight (approx.)	670 - 710 g/L (41.9 - 44.4 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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