

PRODUCT DATA SHEET

Purolite® MB424

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

PRINCIPAL APPLICATIONS

- Demineralization - Electrical Discharge Machining
- Demineralization

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.)	62 %	
Particle Size Range	300 - 1400 µm	
< 300 µm (max.)	1 %	
Uniformity Coefficient (max.)	1.8	
Shipping Weight (approx.)	700 - 750 g/L (43.8 - 46.9 lb/ft³)	
Temperature Limit, Non-Regenerable Bed	100 °C (212.0 °F)	
Temperature Limit, Regenerable Bed	60 °C (140.0 °F)	
Component Name	Macroporous Strong Acid Cation	Macroporous Type I Strong Base Anion
Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene	Macroporous polystyrene crosslinked with divinylbenzene
Functional Group	Sulfonic Acid	Type I Quaternary Ammonium
Ionic Form	H ⁺ form	OH ⁻ form
Cation / Anion Volumetric Ratio	45 %	55 %



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