

PRODUCT DATA SHEET

Purolite™ MB478

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

PRINCIPAL APPLICATIONS

- Demineralization - Electrical Discharge
Machining

SYSTEMS

- Non-Regenerable
- 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.)	1 %	
Uniformity Coefficient (max.)	1.7	
Shipping Weight (approx.)	720 - 750 g/L (45.0 - 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	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	50 %	50 %

Ecolab is a global developer, manufacturer, and supplier of Purolite™ Resins including ion exchange, catalyst adsorbent and advanced polymers that make the world cleaner and healthier.

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