

## PRODUCT DATA SHEET

# Purolite® MB59

Polystyrenic Gel, Macroporous,  
Mixed Bed Resin, Hydrogen form,  
Free Base form

## PRINCIPAL APPLICATIONS

- Demineralization - Partial
- Cartridges

## 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.)	720 - 755 g/L (45.0 - 47.2 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	Macroporous Weak Base Anion
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene	Macroporous polystyrene crosslinked with divinylbenzene
Functional Group	Sulfonic Acid	Tertiary Amine
Ionic Form	H <sup>+</sup> form	Free Base
Cation / Anion Volumetric Ratio	60 %	40 %



**Americas**  
T +1 610 668 9090  
F +1 610 668 8139  
americas@purolite.com

**EMEA**  
T +44 1443 229334  
F +44 1443 227073  
europe@purolite.com

**Asia Pacific**  
T +86 571 876 31382  
F +86 571 876 31385  
asiapacific@purolite.com