

## Purolite® MB400

Mixed Bed Exchange Resin

### Basic Features:

Description	Mixed Bed Exchange Resin
Application	Demineralization - High Purity Silica Free
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Sulphonic Acid and Type 1 Quaternary Ammonium
Ionic form as shipped	H+ / OH-

### Product Data:

Cation Component		Gel Strong Acid Cation
Anion Component		Gel Strong Base Anion
Cation / Anion Ratio		40 / 60%
Total Vol. Capacity (min.)	Na <sup>+</sup>	1.9eq/l
Total Vol. Capacity (min.)	Na <sup>+</sup>	41.5kGr/ft <sup>3</sup>
Total Vol. Capacity (min.)	Cl <sup>-</sup>	1.3eq/l
Total Vol. Capacity (min.)	Cl <sup>-</sup>	28.4kGr/ft <sup>3</sup>
Moisture Content (max.)		65%
Mean Size Typical		0.60-0.85mm
Uniformity Coefficient (max.)		1.7
Shipping Weight (approx.)		705-740g/l
Shipping Weight (approx.)		44.1-46.3lbs/ft <sup>3</sup>
Temp Limit	Non-Regenerable Bed	100°C
Temp Limit	Non-Regenerable Bed	212°F
Temp Limit	Regenerable Bed	60°C
Temp Limit	Regenerable Bed	140°F
pH Limits		0-14