

Mixed Bed Exchange Resin - Light Cation

Purolite MB-378LT is a special resin mixture for direct purification of water. The ratio of component resins has been specifically tailored for full demineralization of water to provide the maximum throughput of water of the highest quality. This applies especially where traces of cations such as sodium and other metal cations that can be present as a result of corrosion of metal alloys need to be removed. Purolite MB-378LT is suitable for use in non-regenerable cartridges and other suitable vessels.

**Basic Features:**

Application	EDM Applications
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Sulphonic Acid and Type 1 Quaternary Ammonium
Ionic form as shipped	H <sup>+</sup> / OH <sup>-</sup>

**Typical Physical and Chemical Characteristics:**

Cation Component		Gel Strong Acid Cation
Anion Component		Gel Strong Base Anion
Cation / Anion Ratio		40 / 60 %
Total Capacity (min.)	Na <sup>+</sup>	2.00 eq/l
Total Capacity (min.)	Na <sup>+</sup>	43.70 kGr/ft <sup>3</sup>
Total Capacity (min.)	Cl <sup>-</sup>	1.30 eq/l
Total Capacity (min.)	Cl <sup>-</sup>	28.40 kGr/ft <sup>3</sup>
Moisture Content		65 %
Mean Size Typical		0.60-0.85 mm
Uniformity Coefficient (max.)		1.70
Shipping Weight (approx.)		705-740 g/l
Shipping Weight (approx.)		44.1-46.3 lbs/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

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pH Limits

0-14

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