PUROLITE
ION EXCHANGE RESINS

Product Data Sheet

PUROLITE® MB478LT

Mixed Bed

Mixed Bed Exchange Resin - Light Cation

Basic Features:

Application	EDM Applications - High Capacity
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^-

Typical Physical and Chemical Characteristics:

Cation Component		Gel Strong Acid Cation
Anion Component		Gel Strong Base Anion
Cation / Anion Ratio		50 / 50 %
Total Capacity (min.)	Na^+	2.00 eq/l
Total Capacity (min.)	Na^+	43.70 kGr/ft^3
Total Capacity (min.)	Cl^-	1.30 eq/l
Total Capacity (min.)	Cl^-	28.40 kGr/ft^3
Moisture Content		62 %
Mean Size Typical		0.60-0.85 mm
Uniformity Coefficient (max.)		1.70
Shipping Weight (approx.)		720-750 g/l
Shipping Weight (approx.)		45-46.9 lbs/ft^3
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

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