

Gel Type Weak Acid Cation Exchange Resin

#### Basic Features:

Application	Dealkalization; Deionization; Softening of Water & Aqueous Organic Solutions
Polymer Structure	Gel polyacrylic crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Carboxylic Acid
Ionic form as shipped	H <sup>+</sup>

#### Typical Physical and Chemical Characteristics:

Total Capacity (min.)	H <sup>+</sup>	3.80 eq/l
Total Capacity (min.)	H <sup>+</sup>	82.97 kGr/ft <sup>3</sup>
Moisture Retention	H <sup>+</sup>	45-55 %
Mean Size Typical		0.65-0.90 mm
Uniformity Coefficient (max.)		1.70
Reversible Swelling (max.)	H <sup>+</sup> → Na <sup>+</sup>	85 %
Reversible Swelling (max.)	H <sup>+</sup> → Ca <sub>2</sub> <sup>+</sup>	20 %
Specific Gravity		1.18 g/ml
Shipping Weight (approx.)		735-770 g/l
Shipping Weight (approx.)		46-48 lbs/ft <sup>3</sup>
Temp Limit	H <sup>+</sup>	120 °C
Temp Limit	H <sup>+</sup>	250 °F
pH Limits		0-14
pH Limits	H <sup>+</sup>	5-14 (Operating)



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