

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 ⁺

Typical Physical and Chemical Characteristics:

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