

Nuclear Grade Macroporous Strong Acid Cation Exchange Resin

**Basic Features:**

Application	Decontamination of Radioactive Circuits
Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Sulphonic acid
Ionic form as shipped	7Li <sup>+</sup>

**Typical Physical and Chemical Characteristics:**

Total Capacity (min.)	7Li <sup>+</sup>	2.30 eq/l
Total Capacity (min.)	7Li <sup>+</sup>	50.20 kGr/ft <sup>3</sup>
Moisture Retention	7Li <sup>+</sup>	36-41 %
Mean Size Typical		0.65-0.90 mm
Uniformity Coefficient (max.)		1.70
Specific Gravity		1.24 g/ml
Shipping Weight (approx.)		780-815 g/l
Shipping Weight (approx.)		48.8-50.9 lbs/ft <sup>3</sup>
Temp Limit	7Li <sup>+</sup>	120 °C
Temp Limit	7Li <sup>+</sup>	250 °F
pH Limits		0-14
Ionic Form (min.)		99 %
Impurities Sodium (max.)		40 ppm
Impurities Iron (max.)		50 ppm
Impurities Heavy Metals(max.)		30 ppm
Impurities Heavy Metals		40 ppm

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