

Purolite® C100C

Gel Type Strong Acid Cation Exchange Resin

Purolite C100C is a high capacity, bead-form, conventional gel polystyrene sulfonate cation-exchange resin, used in industrial softening and demineralization applications. It is ideally suited for use at higher than average flow rates, or in any situation where lower than average pressure loss is necessary. Its high bead integrity, excellent chemical and physical stability, and low extractibles content play a large part in its successful employment in these areas. Purolite C100C is suitable for use in coflow operated plants and also in conventional counterflow systems.

TYPICAL PHYSICAL AND CHEMICAL CHARACTERISTICS

BASIC FEATURES:

Application	Demineralization
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Sulfonic acid
Ionic Form as Shipped	Na+

PRODUCT INFORMATION:

Total Capacity (min.)	2.0 eq/l (43.7 Kgr/ft ³) (Na+ form)
Moisture Retention	44 - 48 % (Na+ form)
Particle Size Range	425 - 1200 µm
<425 µm (max.)	2 %
Uniformity Coefficient (max.)	1.6
Reversible Swelling, Na+ → H+ (max.)	8 %
Specific Gravity	1.29 (Na+ form)
Shipping Weight (approx.)	800 - 840 g/l (50 - 52.5 lb/ft ³)
Temperature Limit	120°C (250°F)

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