

Purolite® C104EPlus

Porous Weak Acid Cation Exchange Resin

PRODUCT DATA SHEET

Purolite C104EPlus is a high capacity, polyacrylic, weak acid cation exchange resin specially purified to treat waters for human consumption. The functional groups of the carboxylic type give this exchanger high chemical efficiency for the removal of bicarbonate alkalinity in water treatment. Purolite C104EPlus shows excellent uptake of alkaline earth metals in a relatively short contact time. Its major use is the industrial dealkalization and softening of potable waters.

Typical Physical and Chemical Characteristics

Application	Dealkalization; Deionization; Softening - Food and Potable Water
Polymer Structure	Porous crosslinked polyacrylic
Appearance	Spherical beads
Functional Group	Carboxylic Acid
Ionic Form as Shipped	H ⁺
Total Capacity (min.)	4.5 eq/l (98.3 Kgr/ft ³ (H ⁺ form))
Moisture Retention	45 - 55 % (H ⁺ form)
Particle Size Range	300 - 1600 µm
<300 µm (max.)	1 %
Reversible Swelling, H ⁺ → Ca ²⁺ (max.)	20 %
Reversible Swelling, H ⁺ → Ca ²⁺ (operating)	7 % (approx.)
Reversible Swelling, H ⁺ → Na ⁺ (max.)	70 %
Specific Gravity	1.19
Shipping Weight (approx.)	740 - 780 g/l (46.3 - 48.8 lb/ft ³)
Temperature Limit	120°C (250°F)



Americas
T +1 610.668.9090
F +1 484.384.2751
americas@purolite.com

Europe
T +44 1443 229334
F +44 1443 227073
europe@purolite.com

Asia Pacific
T +86 571 876 31382
F +86 571 876 31385
asiapacific@purolite.com