

Purolite® PFC100E

Gel Type Strong Acid Cation Exchange Resin

Basic Features:

Description	Gel Type Strong Acid Cation Exchange Resin
Application	Softening of Water
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Sulphonic acid
Ionic form as shipped	Na ⁺

Product Data:

Total Capacity (min.)	Na ⁺	1.9eq/l
Moisture Retention	Na ⁺	46-50%
Mean Size Typical		0.52-0.62mm
Uniformity Coefficient (max.)		1.2
Reversible Swelling (max.)	Na ⁺ → H ⁺	10%
Reversible Swelling (max.)	Ca ₂ ⁺ → Na ⁺	8%
Specific Gravity		1.27g/ml
Shipping Weight (approx.)		795-830g/l
Shipping Weight (approx.)		49.7-51.9lbs/ft ³
Temp Limit	H ⁺	120°C
Temp Limit	H ⁺	250°F
Temp Limit	Na ⁺	140°C
Temp Limit	Na ⁺	285°F
pH Limits		0-14