

Purolite® PCR145K

Polystyrenic Macroporous, Strong
Acid Cation Resin, Potassium form,
Chromatographic Grade

PRINCIPAL APPLICATIONS

- Chromatography - Sugar

TYPICAL PACKAGING

- 1 m³ Supersack
- 42 ft³ Supersack
- Bulk Tanker (NA only)

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Sulfonic Acid
Ionic Form	K ⁺ form
Total Capacity	1.5 eq/L (32.8 Kgr/ft ³) (Na ⁺ form)
Moisture Retention	55 - 60 % (Na ⁺ form)
Moisture Retention	60 - 66 % (H ⁺ form)
Mean Diameter	280 ± 20 µm
Uniformity Coefficient (max.)	1.2
Conversion (min.)	97 %
Specific Gravity	1.24
Shipping Weight (approx.)	755 - 780 g/L (47.2 - 48.8 lb/ft ³)
Temperature Limit	120 °C (248.0 °F) (H ⁺ form)
Temperature Limit	140 °C (284.0 °F) (Na ⁺ form)



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