

Purolite PFA600/4740 is a gel-type strong base anion exchange resin tailored for extraction of uranyl sulfate and carbonate complexes from the leachates originated from ISL, batch or heap leaching processes. Thanks to its physical structure the resin has particularly high uranium uptake, regeneration efficiency and lower volume of desorbates while desorbates have high uranium concentrations. It is also resistant to silica fouling. Thus increased capacity may be used to obtain longer runs, higher throughput and/or smaller resin beds, as required, with improved optimum rates of uranium fixation, desorption and the resin regeneration. Thus savings may be expected in operating and capital costs.

**Basic Features:**

Application	Uranium Extraction
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Uniform spherical beads
Functional Group	Quaternary ammonium
Ionic form as shipped	Chloride

**Typical Physical and Chemical Characteristics:**

Total Capacity (min.)	Cl <sup>-</sup>	1.30 eq/l
Moisture Retention	Cl <sup>-</sup>	47 - 54 %
Uniformity Coefficient (max.)		1.20
Temp Limit	Cl <sup>-</sup>	100 °C
Temp Limit	Cl <sup>-</sup>	212 °F
pH Limits	Cl <sup>-</sup>	0 - 7 (Operating)

**USA**  
Telephone: (1) 610-668-9090  
Fax: (1) 610-668-8139  
Email: info@puroliteusa.com

**Europe**  
Telephone: +44 1443 229334  
Fax: +44 1443 227073  
Email: sales@purolite.com

**Asia Pacific**  
Telephone: +86 571 876 31385  
Fax: +86 571 876 31385  
Email: pultalan@purolitechina.com