

Macroporous Type I Strong Base Anion Exchange Resin

Purolite A500/2788 is a macroporous-type strong base anion exchange resin efficient for extraction of uranium complexes in in-situ (ISL), batch or heap leaching and Resin-in-Pulp (RIP) processes. Thanks to its specially graded particle size this resin is particularly suitable for use in RIP processes. Macroporous structure of the resin ensures regeneration efficiency and lower volume of desorbates while the desorbates have high uranium concentrations. As macroporous product the A500/2788 is specially recommended for carbonate leaching processes where the risk of the silica fouling is low.

Purolite A500/2788 shows high resistance to osmotic and thermal shock and the mechanical attrition.

This resin can be used for gold sorption after thiosulfate leaching of gold ores.

Basic Features:

Application	Resin-In-Pulp - Size Grading 0.8 - 1.2mm
Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Type 1 Quaternary Ammonium
Ionic form as shipped	Cl ⁻

Typical Physical and Chemical Characteristics:

Total Capacity (min.)	Cl ⁻	1.15 eq/l
Total Capacity (min.)	Cl ⁻	25.11 kGr/ft ³
Moisture Retention	Cl ⁻	53-58 %
Particle Size	800~1300 µm	92 %
Reversible Swelling (max.)	Cl ⁻ → OH ⁻	15 %
Specific Gravity		1.08 g/ml
Shipping Weight (approx.)		670-700 g/l
Temp Limit	OH ⁻	60 °C
Temp Limit	OH ⁻	140 °F
Temp Limit	Cl ⁻	100 °C
Temp Limit	Cl ⁻	212 °F
pH Limits		0-14 (Stability)

pH Limits

H⁺

0-11 (Operating)

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