

Purolite CTA193 is a macroporous poly(vinylbenzyl) tertiary amine type weak base anion exchange resin. Because of its structure, it has excellent mechanical and osmotic stability. Its resistance to fouling is superior to that of both gel and many other typical macroporous resins. The resin has a particularly useful pore diameter, pore volume and specific surface area. Its easily accessible active sites result in good kinetics.

Purolite CTA193 finds its major applications in catalysis and in the removal of strong acids, metal salts and colour bodies from non aqueous solutions.

Basic Features:

Application	
Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Tertiary Amine
Ionic form as shipped	Free Base

Typical Physical and Chemical Characteristics:

Total Capacity (min.)	Free Base	1.60 eq/l
Total Capacity (min.)	Free Base	34.93 kGr/ft ³
Moisture Retention	Cl ⁻	48 - 55 %
Mean Size Typical		0.60 - 0.85 mm
Uniformity Coefficient (max.)		1.70
Reversible Swelling (max.)	FB → Cl ⁻	25 %
Specific Gravity		1.04 g/ml
Shipping Weight (approx.)		645 - 675 g/l
Shipping Weight (approx.)		40.3 - 42.2 lbs/ft ³
Temp Limit	OH ⁻	60 °C
Temp Limit	OH ⁻	140 °F
Temp Limit	Cl ⁻	100 °C
Temp Limit	Cl ⁻	212 °F

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

pH Limits		0 -14 (Stability)
pH Limits	H ⁺	0 - 9 (Operating)

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