



# PICOPURE 550 (OH)

## Strong Base Anion (Super Gel) Resin

(For Ultrapure water)

### TECHNICAL DATA

#### PRODUCT DESCRIPTION

**Purolite PICOPURE 550** is a gel type I strong base anion exchange resin with a narrow particle size distribution that offers higher operating capacities than standard resin. The higher operating capacity is particularly observed at lower regeneration levels where the effect of its superior regeneration efficiency is most noticeable. **PICOPURE 550** is also relatively less susceptible to organic fouling than standard gel-type strong base anion resins. These factors combined to produce water of consistent ultrapure quality, offering special advantages when operating at high flow rates.

**PICOPURE 550** in the hydroxide form is used as the anion component in ultrapure water working mixed beds together with **PICOPURE 650** as cation component. The specially tailored particle size ensures a perfect separation of the exhausted mixed bed prior to regeneration

Typical Physical and Chemical Characteristics	
Polymer matrix structure	Crosslinked Styrene-DVB gel
Ionic form	OH <sup>-</sup>
Functional groups	Quaternary Amine
Exchange capacity, OH form	>1.1 meq/ml
Conversion (%)	> 95 OH <sup>-</sup> form, (Cl <sup>-</sup> < 0.1%)
Particle size (micron)	550
Uniformity coefficient	1.15
Water content (%)OH form	55 – 65
Operating temperature	60°C
Shipping density (approx.)	670 - 700 g/l
Rinsing conditions	@ 30 BV/hr, Influent is minimum of 15 Megohms
Delta TOC (PPB)	< 50 within 8 hours
Cl <sup>-</sup> (ppt)	< 0.5
Other products in the PICOPURE line	
PICOPURE 650	UPS (650 micron) strong acid gel cation resin
PICOPURE 56	Ultrapure mixed bed resin for non-regenerable mixed beds
PICOPURE 1200	Ultrapure mixed bed resin for regenerable mixed beds