



# A-600

**Strong-Base Type I (Clear Gel) Anion Exchange Resin**  
(FOR EFFICIENT DEMINERALISATION INCLUDING SILICA REMOVAL )

## Technical Data

### PRODUCT DESCRIPTION

**PuroLite A-600** is a strong-base anion exchanger with both high operating capacity and the ability to achieve low residual silica levels. It has a clear gel structure, showing excellent regeneration efficiency over a wide range of regeneration levels, together with good rinse characteristics. **PuroLite A-600** functions well both in mixed bed (**MIXLITE**) and layered bed (**DOUBLITE**) demineralizer systems, where specially tailored particle size ranges result in achieving or maintaining good separations. **PuroLite A-600** has exceptional physical stability for a conventional gel-type resin which permits a long life without the development of excessive pressure drop; it also shows good kinetics of exchange, enabling very low concentration levels of both strong and weak acid anions to be achieved at practical flowrates.

### Typical Chemical and Physical Characteristics

Polymer Structure .....	Gel polystyrene crosslinked with divinylbenzene
Appearance .....	Spherical beads
Functional Group .....	Type I quaternary ammonium
Ionic Form - as shipped .....	Chloride - Cl <sup>-</sup>
Total Capacity (Cl Form) .....	1.4 eq/l min
Moisture Retention (Cl Form) .....	43-48%
Bead Size Range (microns) .....	+1200 <5% -300 <1%
Screen Size Range (U.S. Standard Screen) .....	16-50 mesh
Reversible Swelling (Cl @ OH <sup>-</sup> ) .....	20%
Specific Gravity (Cl Form) .....	1.09
Shipping Weight .....	685-720 kg/m <sup>3</sup> (43-45 lb/ft <sup>3</sup> )
Temperature Limit .....	(Cl- Form)
	100°C (212°F)
	(OH- Form) .....
	60°C (140°F)
pH Limits (Stability) .....	0-14