

**AMINO-PHOSPHONIC CHELATING - FOR BRINE**

Purolite S940 is a chelating resin of macroporous structure, with a polystyrene matrix crosslinked with divinylbenzene (DVB) substituted with weakly acidic aminophosphonic active groups. This chemical structure facilitates the formation of complexes with metallic ions. The aminophosphonic chelating resins have a greater affinity for certain cations, and form more stable complexes with cations of low atomic mass metals than their iminodiacetic resin counterparts. Hence Purolite S940 is capable of fixing one or more specific cations from a larger range even from solutions which are highly concentrated.

**Basic Features:**

Application	Chelating resin for brine
Polymer Structure	Macroporous crosslinked polymer
Appearance	Spherical beads
Functional Group	Aminophosphonic
Ionic form as shipped	Na

**Typical Physical and Chemical Characteristics:**

Calcium Capacity min.	20 g/l
Moisture Retention (Na)	55-65 %
Mean Size Typical	0.55-0.75 mm
Uniformity Coefficient (max.)	1.40
Swelling H->Namax	50
Swelling H->Camax	20
Specific Gravity	1.13 g/ml
Shipping Weight (approx.)	710-745 g/l
Temp Limit	Na <sup>+</sup> 90 °C
Temp Limit	Na <sup>+</sup> 195 °F
pH Limits	0-14 (Stability)

**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