

Gel Type I Strong Base Anion Exchange Resin

Purolite A600MBOH 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 A600MBOH is especially designed as the anion component in regenerable mixed beds. Its specially tailored particle size range ensures excellent separation, during backwash, from MB grades of strong acid cation components, for example Purolite C100MBH. Purolite A600MBOH 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 flow rates.

Basic Features:

Application	Efficient Demineralization / Silica Removal - Mixed Beds
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Type 1 Quaternary Ammonium
Ionic form as shipped	OH ⁻

Typical Physical and Chemical Characteristics:

Total Capacity (min.)	Cl ⁻	1.40 eq/l
Total Capacity (min.)	Cl ⁻	30.57 kGr/ft ³
Moisture Retention	Cl ⁻	43-48 %
Mean Size Typical		0.65-0.90 mm
Uniformity Coefficient (max.)		1.70
Reversible Swelling (max.)	Cl ⁻ → OH ⁻	20 %
Specific Gravity		1.08 g/ml
Shipping Weight (approx.)		680-710 g/l
Shipping Weight (approx.)		42.5-44.4 lbs/ft ³
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)

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pH Limits OH⁻ 1-10 (Operating)

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