



# PS470

Chelating Resin

## PURE RESIN

### Product Description & Applications

**Pure PS470** is a macroporous chelating resin, designed for the selective removal of boron from aqueous solutions. It will operate over a wide pH range and due to excellent kinetics and it is effective over a wide range of boron concentrations under different operating conditions.

#### Typical Physical & Chemical Characteristics

Polymer Structure	Macroporous crosslinked polymer
Functional Group	N-Methylglucamine
Ionic Form, as shipped	Free Base
Physical Form And Appearance	Spherical Beads
Sphericity	95% min.
Screen Size Range --- U.S. Standard Screen	16-50 mesh, wet
Particle Size Range	0.315-1.25mm ≥ 95
Uniformity Coefficient	1.60 max.
Water Retention, Free Base Form	40 - 60%
Shipping Weight (approx.)	670 - 730 g/l
Total Exchange Capacity, Boron removal	≥0.3 eq/l
Temperature Limit	60°C (140°F)
Volume Change Cl <sup>-</sup> → OH <sup>-</sup>	25%max