

GMB-101UN

Mixed Bed Resin Ultra PureWater

Product Description & Applications

G-ion GMB-101UN is a high capacity mixed bed ion exchange resin, ready for use, consisting of a mixture of a gel, Type I strong base anion resin and a gel strong acid cation resin for direct purification of water, as well as Ultra Pure Water.

G-ion GMB-101UN will produce resistivity 18 megohms quality water. It is suitable for use in regenerable or non-regenerable cartridges, for ultra-pure water system with high silica removal.

The Volume ratio anion/cation is also available by 3:2.



Typical Physical & Chemical Characteristics

Polymer Matrix Structure	Polystyrene crosslinked with 8% DVB
Functional Group	R-(SO ₃)-M+
Ionic Form, as shipped	Na+
Physical Form And Appearance	Clear Spherical Beads
Puerility	95% min.
Screen Size Range-U.S. Standard Screen	16-50 mesh, wet
Particle Size Range	0.315-1.25mm
Uniformity Coefficient	1.6 max.
Water Retention, Na+ form	43-48%
Swelling Na ⁺ H ⁺ → Ca ²⁺ → Na ⁺	10% max. 5% max.
Shipping Weight, Na+ form	780-880 g/l (51 lbs/cu.ft, approx.)
Total Exchange Capacity, Na+ form	2.0 eq/l min.
pH Range	0-14