PURE RESIN PMB101-3

- **REF. RA374;**
- **Mixed Bed Resin;**
- **it is a high capacity mixed bed ion exchange resin consisting of a mixture of a gel, Type I strong base anion resin and a gel strong acid cation resin for direct water purification;**
- **the conductivity is around 0,06 us/cm;**
- **suitable for use in regenerable or non-regenerable cartridges, for deionization with high silica removal efficiency and ultrapure water production applications.**



Typical Physical & Chemical Characteristics	
Polymer Matrix Structure	Gel polystyrene crosslinked with DVB
Functional Group: Cation Anion	$R\text{-}SO_3^- H^+$ $R_4\text{-}N\text{-}OH^-$
Ionic Form, as shipped	H^+ / OH^-
Physical Form and Appearance	Spherical Beads
Sphericity	95% min.
Screen Size Range US Standard Screen	16 ÷ 50 mesh, wet
Particle Size Range	+1,2 mm < 5%, - 0,3 mm < 1%
Volume Ratio (as shipped) Cation Anion	 40% PC003H 60% PA101OH
Total Exchange Capacity, Cation (in Na^+ form) Anion (in Cl^- form)	 2,0 eq/l min. 1,3 eq/l min.
Water Retention, H^+ form OH^- form	45 ÷ 50% 53 ÷ 60%
Shipping Weight (Approx.)	700 ÷ 740 g/l (44 ÷ 46 lbs/cu.ft, approx.)
Max temperature	60°C (140°F)
pH Range	0 ÷ 14