



Pure Resin PMB 101-3

Mixed Bed Resin

Produkt Datenblatt

Pure PMB101-3 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 purification of water. The conductivity is 0.06us/cm max. It is suitable for use in regenerable or nonregenerable cartridges, for deionization with high silica removal efficiency and refine water for electrical home applications.

Typical Physical & Chemical Characteristics		
Polymer Structure		Gel polystyrene crosslinked with DVB
Functional Group:	Cation	$\text{RSO}_3\text{-H}^+$
	Anion	$\text{R}_4\text{ N}^+\text{OH}^-$
Ionic Form, as shipped		H^+ / OH^-
Physical Form And Appearance		Spherical Beads
Sphericity		95% min.
Screen Size Range (U.S. Standard Screen)		16-50 mesh, wet
Particle Size Range		+1.2 mm < 5%, -0.3 mm < 1%
Volume Ratio (as shipped)	Cation	40% PC003H
	Anion	60% PA101OH
Total Exchange Capacity	Cation (in sodium form)	2.0 eq/l min
	Anion (in chloride form)	1.3 eq/l min.
Water Retention	„H“ form	45-50%
	„OH“ form	53-60%
Shipping Weight (Approx.)		700-740 g/l (44-46 lbs/cu.ft)
Temperature Limit :	Non-regenerative bed	100°C (212°F) max.
	Regenerative bed	60°C (140°F) max.
pH Range		0-14