

TM-9 MIXED BED RESIN**Description:**

TM-9 is a premium grade mixed bed resin consisting of a 1:1 chemical equivalent mix of hydrogen form strong acid gel cation resin and hydroxide form Type I porous strong base gel anion resin. This mixed bed resin will produce high-quality deionized water and will remove essentially all ions including silica and free CO₂.

Chemical Properties

Functional Groups	Sulfonic Acid, Trimethylamine
Ionic Form (as shipped)	Hydrogen / Hydroxide
Exchange Capacity	Approximately 12 kilograins / ft ³ (as CaCO ₃)
Kinetics	> 15 megohm (Evoqua Kinetics Test)

Physical Properties

Particle Screen Sizing	
+ 16 Mesh	5% maximum
- 50 Mesh	1% maximum
Whole Beads (%)	90 minimum
Shipping Weight	43 lbs/ft ³

Operating Conditions

Operating pH Range	1 to 14
Service Flow Rate	
Demineralization	1 to 4 gpm/ft ³
Maximum Operating Temperature	140 °F