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AMBERLITE® MB150

Regenerable Mixed Bed Resin

PRODUCT DATA SHEET

AMBERLITE MB150 is an ionically equilibrated mixed bed resin. Ready for use, as supplied, it is a mixture of a strongly acidic cation resin and a strongly basic, type 1 anion exchange resin.

AMBERLITE MB150 is used for the production of high purity water and other applications requiring totally demineralized water.

PROPERTIES

Physical Form	Spherical beads, in a moist, fully hydrated condition
Ionic Form, as shipped	Hydrogen/Hydroxide
Cation to Anion equivalent ratio	1/1
Volumetric Composition	40% Cation/60% Anion
Volumetric Capacity	12 kgr/ft^3 (approximate)
Shipping Weight	43 lb/ft^3
Particle Size	
Uniformity Coefficient	1.7 maximum
Screen Grading	16 to 50 mesh (US Std Screen)
Screen Analysis	5% maximum on 16 mesh (US standard Screen) 0.5% (approx.) thru a 50 mesh (US Standard Screen)
Chemical Stability	Insoluble in water, dilute solutions of acids or bases and common solvents

SUGGESTED OPERATING CONDITIONS

pH Range	0 to 14
Maximum Operating Temperature	140 °F
Minimum Bed Depth	24 inches
Service Flow Rate	2 to 5 gpm/ft^3
Regenerant	
Cation	HCl or H_2SO_4
Anion	NaOH

OPERATING CAPACITY

AMBERLITE MB150 will exhibit a nominal operating capacity of 12 kgr/ft^3 with 80% of the capacity producing water quality above 10 megohm.

REGENERATION

If required, AMBERLITE MB150, resin can be regenerated after exhaustion. The resin mixture must be separated into its component parts by backwashing and the cation component regenerated with acid of the proper concentration and the anion component regenerated with sodium hydroxide of the proper concentration.

RECOMMENDED APPLICATIONS

AMBERLITE MB150 resin is suitable for many industrial water treatment applications and is an excellent choice for portable exchange deionization. This resin provides high capacity with reliable production of the highest quality water and rapid rinse.

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ROHM AND HAAS