

AMBERLITE™ MB9L

Industrial Grade Non-Regenerable Mixed Bed Resin

AMBERLITE MB9L resin is a homogeneous mixture of a strongly acidic cation exchanger in the H^+ form with a strongly basic anion exchanger in the OH^- form. It is mainly characterised by a high cationic exchange capacity. AMBERLITE MB9L resin contains no dye indicator to show exhaustion of the resin and a conductivity meter is needed to monitor the treated water quality and the exhaustion endpoint.

AMBERLITE MB9L resin is specifically designed for the partial demineralisation of water when the ratio of alkalinity to free mineral acidity is higher than 1, where complete removal of the cations and of the acidity is essentially required without the need to fully eliminate CO_2 and silica.

PROPERTIES

Composition in volume^[1] _____

Cation component : 46 to 55 %

Anion component : 54 to 45 %

Ionic form as shipped _____

H^+ / OH^-

Shipping weight _____

745 g/L

< 0.300 mm^[1] _____

5.0 max

^[1] Contractual value

Test methods are available on request.

SUGGESTED OPERATING CONDITIONS

Maximum operating temperature _____

60°C

Minimum bed depth _____

700 mm

Service flow rate _____

20 to 40 BV*/h

* 1 BV (Bed Volume) = 1 m³ solution per m³ resin

LIMITS OF USE

AMBERLITE MB9L resin is suitable for industrial uses. For all other specific applications such as pharmaceutical, food processing or potable water

applications, it is recommended that all potential users seek advice from Rohm and Haas in order to determine the best resin choice and optimum operating conditions.