



## AMBERLITE™ MB6113

Industrial Grade Non-Regenerable Mixed Bed Resin

### Introduction

AMBERLITE MB6113 resin is an ionically equilibrated mixed bed resin. It is a mixture of a strongly acidic cation exchanger with a strongly basic type 1 anion exchanger. Supplied in the regenerated form, it is specially designed for the production of high quality water. A colour indicator allows the visualisation of the exhaustion point of the resin. After exhaustion, AMBERLITE MB6113 resin cannot be regenerated.

### Properties

Composition in volume	Cation exchanger : 41 % ± 4 % Anion exchanger : 59 % ± 4 %
Ionic form as shipped	H <sup>+</sup> / OH <sup>-</sup>
Percentage of regeneration	Cation component : H <sup>+</sup> (95 % min) Anion component : OH <sup>-</sup> (90 % min)
Shipping weight	704 g/L

### Suggested Operating Conditions

Water Treatment	
Maximum operating temperature	60°C
Service flow rate	10 to 60 BV*/h
Colour indicator	Between blue and green (regenerated form) Lightbrown(exhausted form)

\* 1 BV (Bed Volume) = 1 m<sup>3</sup> solution per m<sup>3</sup> resin

### Performance

#### Operating capacity

The following formula gives an approximate determination of volume that can be treated:

$$BV = 550 / TDS$$

BV (Bed Volume) is the number of litres of a water containing a TDS (Total Dissolved Solids) given in meq/L that can be demineralized with one litre of the resin mixture when run to exhaustion.

#### Treated water conductivity

In polishing applications, say with a feed of less than 10 µS/cm, AMBERLITE MB6113 resin should produce a water with less than 0.1 µS/cm. In cases where the feed water has high conductivity (up to say 500 µS/cm) the water should still have less than 1 µS/cm.

### Limits of use

AMBERLITE MB6113 resin is suitable for industrial users. For all other specific applications such as pharmaceutical, food processing or potable water applications, it is recommended that all potential users seek advice from Dow Water & Process Solutions in order to determine the best resin choice and optimum operating conditions.



**For more information about DOW™  
resins, call the Dow Water & Process  
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