

# ***TULSION***<sup>®</sup> MB-106

**“PREMIUM MIXED ION EXCHANGE RESIN FOR HIGH PURITY WATER”**

**TULSION<sup>®</sup> MB – 106** is a mixture of strongly acidic cation exchange resin **TULSION<sup>®</sup> T-46** in hydrogen form and a strongly basic anion exchange resin **TULSION<sup>®</sup> A-33** in hydroxide form in 1:2 volumetric ratios.

**TULSION<sup>®</sup> MB – 106** is ready to use mixed bed mixture suitable for high purity DM water

**TULSION<sup>®</sup> MB- 106** is recommended in any mixed bed application where reliable production of the highest quality water is required and where the supplied resin must have an absolute minimum of ionic and non-ionic impurities.



**INFLUENT LIMITATION**

Free chlorine	Not traceable
Turbidity	Less than 2 NTU
Iron and heavy metals	Less than 0.1 ppm

**TYPICAL CHARACTERISTICS TULSION MB-106**

	<b>TULSION® T-46 H</b>	<b>TULSION® A-33 OH</b>
Type	Strong Acid Cation Exchange Resin	Strong base anion exchange resin
Volume ratio	1	2
Matrix Structure	Cross linked polystyrene	Cross linked polystyrene
Functional Group	Sulfonic acid	Quaternary ammonium Type I
Physical Form	Moist spherical beads	Moist spherical beads
Ionic form supplied	Hydrogen	Hydroxide
Effective Size	0.45 to 0.55 mm	0.45 to 0.55 mm
Uniform coefficient	1.7 max	1.7 max
Total exchange capacity	1.8 meq/ml min of 99% in H form	1.0 meq/ml min of 90% in OH form
Moisture content %	52 +/- 3%	68 +/- 3%
pH range	0 to 14	0 to 14
Temperature stability (max.)	120°C	80°C
Backwash settled density	Approx. 700 to 750 gm/liter	

**TESTING :**

The sampling and testing of ion exchange resins is done as per standard testing procedures, namely ASTM D-2187 and IS-7330, 1998.

**PACKING :**

Super Sack	1000 lit.	Super Sack	35 cft
MS drums	180 lit.	Fiber Drums	7 cft
HDPE lined Bags	25 lit.	HDPE Lined Bags	1 cft

For Handling, Safety and Storage requirements please refer to the individual Material Safety Data Sheets available at our offices.

The data included herein are based on test information obtained by Thermax Limited. These data are believed to be reliable, but do not imply any warranty or performance guarantee. Tolerances for characteristics are per BIS/ASTM. We recommend that the user should determine the performance of the product by testing on his own processing equipment.

In view of our constant endeavor to improve the quality of our products, we reserve the right to change their specifications without prior notice



Thermax Limited