THERMAX

TULSION® MB-115

Mixed Bed Ion Exchange Resin for Production of Ultra Pure Water

TULSION® MB-115 is a mixture of strongly acidic cation exchange resin **TULSION® T-46** in Hydrogen form and strongly basic type I anion exchanger resin **TULSION® A-33** in Hydroxide form in 1:1.5 volume ratio quantities.
TULSION® MB-115 is designed for use in the final polishing for production of ultra pure water.
TULSION® MB-115 is the ideal choice for electronic industries, which manufacture semi conductors and television tubes, etc where ultra pure water is required. This resin combines high capacity with excellent physical properties.

TYPICAL CHARACTERISTICS - Tulsion® MB- 115

RESIN NAME	TULSION®T-46 H	TULSION®A-33 OH
Type	Strong Acid Cation Exchange Resin	Strong base anion exchange resin
Matrix structure	Cross linked polystyrene	Cross linked polystyrene
Functional group	Sulphonic acid	Quaternary Ammonium Type I
Physical form	Moist spherical bead	Moist spherical bead
Ionic form	Hydrogen	Hydroxide
Screen Size USS (wet)	16 to 50	16 to 50
Particle Size (mm)	0.3 to 1.2 mm	0.3 to 1.2 mm
Total exchange capacity	1.8 meq/ml minimum of 99% in H form	1.0 meq/ml minimum of 90% in OH form and less than 1% in Cl form
pH range	0 to 14	0 to 14
Temperature stability (max.)	250 °F /120°C	175 °F / 80°C
Solubility	Insoluble in all common solvents	Insoluble in all common solvents
Moisture content %	49 to 55%	67 to 73%
Volume Ratio	1	1.5
Backwash settled density	Approx.750 gm/liter	

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

TESTING :

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

PACKING:

Super Sacks	1000 lit.	Super Sacks	35 cft
MS drums	180 lit.	Fiber Drums	7 cft
HDPE lines 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

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