

TULSION® MB-108 P

Mixed Bed Ion Exchange for Production of Ultra Pure Water

TULSION® MB-108 P is a mixture of strongly acidic cation exchange resin **TULSION® T-42** in Hydrogen form and strongly basic anion exchange resin **TULSION® A-23 P** in Hydroxide form in 1:1 volumetric ratio.

TULSION® MB-108 P is designed for use in the production of water of the highest quality. **TULSION® MB-108P** is the ideal choice for electronic industries which manufacture semi conductors and television tubes, etc.



TYPICAL CHARACTERISTICS – MB-108P

	TULSION T-42 H	TULSION A-23 OH
Type	: Strong acid cation exchange resin	Strong base anion exchange resin
Matrix structure	:	Cross-linked polystyrene
Functional group	: Sulphonic acid	Quaternary ammonium Type I
Physical form	:	Moist Spherical Beads
Ionic form	: Hydrogen	Hydroxide
Screen Size USS (wet)	:	16 to 50
Particle size	:	0.3 to 1.2 mm
Fines content	:	Less than 0.5% passing through 50 US mesh
Total exchange capacity	: 1.8 meq/ml min of 99% in Hydrogen form	1.0 meq/ml min of 90% in Hydroxide form and max of 3% in chloride form
Temperature stability (max)	:	175° F (80° C)
Backwash settled density	:	44 to 47 lbs/ft ³ (700 to 750 g/l)
Organic leachable	:	Less than 0.2 mg KMnO ₄ / ml of wet resin
Impurities	:	Fe not more than 200 ppm Cu not more than 100 ppm Heavy metals not more than 100 ppm
Bead strength	: Average not less than 500 g/bead by Chatillion test	Avg. not less than 250 g/bead by Chatillion test
pH range	:	0 to 14
Solubility	:	Insoluble in all common solvents

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 sacks	1000 liters
MS drums	180 liters
HDPE lined bags	25 liters

Super sacks	35 cft
Fiber drums	7 cft
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 as per BIS/ASTM. We recommend that the user should determine the performance of the product by testing on own processing equipment.



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