

TULSION[®] MB-115

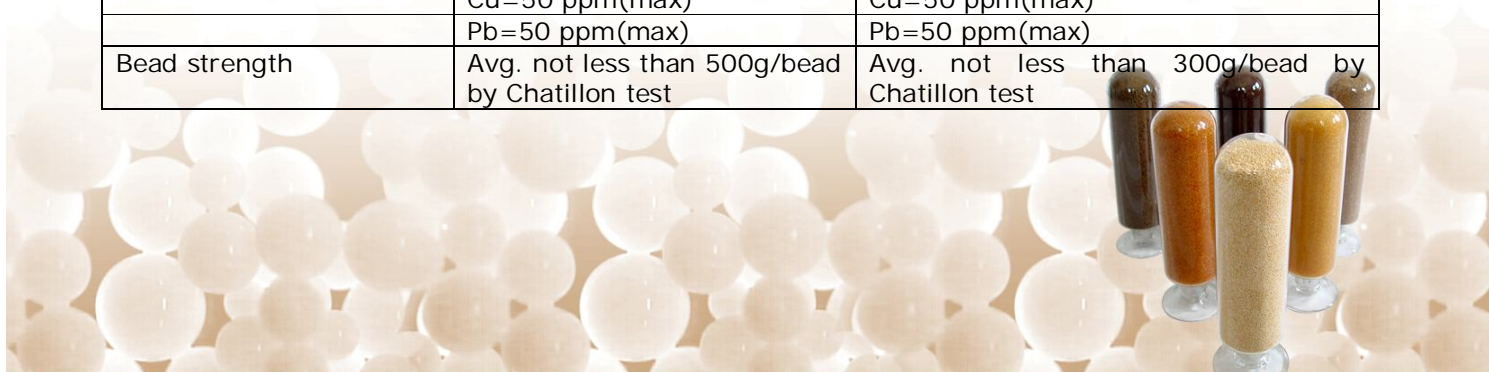
MIXED BED ION EXCHANGE RESIN FOR ULTRA PURE APPLICATION

TULSION[®] MB-115 is a mixture of strong acid cation exchange resin TULSION[®] T-46 (H) and strong base anion exchange resin TULSION[®] A-33(OH) in 1:1.5 volumetric ratio. TULSION[®] MB-115 P is a specially designed as a polisher to obtain low conductivity 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.

TYPICAL CHARACTERISTICS OF TULSION[®] MB-115

	TULSION [®] T-46	TULSION [®] A-33
Type	Strong acid cation exchange resin	Strong base anion exchange resin
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
Screen Size U.S.mesh(wet)	16 to 50	16 to 50
Particle Size	0.3 to 1.2 mm	0.3 to 1.2 mm
Fines Content	Less than 0.3 2% passing through 40 U.S.mesh	Less than 0.3 2% passing through 40 U.S.mesh
Total exchange capacity	1.8 meq/ml minimum of 99% in hydrogen 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	120°C	80°C
Solubility	Insoluble in all common solvents	Insoluble in all common solvents
Organic leachables	Less than 0.2 mg KMNO ₄ per ml of wet resin	Less than 0.2 mg KMNO ₄ per ml of wet resin
Backwash settled density	Approx. 750 gm/liter	
Impurities	Fe=50 ppm(max)	Fe=50 ppm(max)
	Cu=50 ppm(max)	Cu=50 ppm(max)
	Pb=50 ppm(max)	Pb=50 ppm(max)
Bead strength	Avg. not less than 500g/bead by Chatillon test	Avg. not less than 300g/bead by Chatillon test



TESTING

The sampling and testing of ion exchange resin 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 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.

For further information, please contact: resins@thermaxindia.com



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