

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	
Туре	Strong acid cation exchange	Strong base anion exchange resin	
	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	16 to 50	16 to 50	
U.S.mesh(wet)			
Particle Size	0.3 to 1.2 mm	0.3 to 1.2 mm	
Fines Content	Less than 0.3 2% passing	Less than 0.3 2% passing through 40	
	through 40 U.S.mesh	U.S.mesh	
Total exchange capacity	1.8 meq/ml minimum of		
	99% in hydrogen form	form and less than 1% in CI form	
pH range	0 to 14	0 to 14	
Temperature stability	120°C	80°C	
Solubility	Insoluble in all common	Insoluble in all common solvents	
	solvents		
Organic leachables	Less than 0.2 mg KMNO ₄ per	· ·	
	ml of wet resin	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	Chatillon test	

TESTING

The sampling and testing of ion exchange resin is done as per standard testing procedures, namely ASTMD-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 date 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.



THERMAX LIMITED

CHEMICAL DIVISION An ISO 9001 Company 97-E, GENERAL BLOCK, M.I.D.C. BHOSARI, **PUNE 411 026, INDIA**

TEL.: +91(20) 2712 0181, 2712 0169

FAX: +91(20) 2712 0206

USA Office:

Thermax Inc. 21800 Haggerty Road Suite 112

Northville, MI 48167

Office Phone: 248-468-0541

Fax Number: 248-468-0546

