

PLEASE CONTACT :

**NUMATIK ENGINEERS PVT. LTD.**

Shop No. 6, Bobby Pathak Avenue.  
Nr. Corporation Bank.  
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Dahisar (East), Mumbai 400 068, India.  
Tel.: (022) 2848 2642 / 0866. 4014 2490  
Tele Fax : (022) 2848 0100



**TYPICAL CHARACTERISTICS - MB-110**

	<b>TULSION T-42</b>	<b>TULSION A-27</b>
Type	Strong acid cation exchange resin	Strong base anion exchange resin
Matrix structure	Crosslinked polystyrene	Crosslinked polystyrene
Functional group	Sulfonic acid	Quaternary ammonium Type I
Physical form	Moist Spherical Beads	Moist Spherical Beads
Ionic form	Hydrogen	Hydroxide
Screen Size USS (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 0.5% passing through 50 US mesh	Less than 0.5% passing through 50 US mesh
Total exchange capacity	1.8 meq/ml	1.0 meq/ml
pH range	0 to 14	0 to 14
Temperature stability (max)	175° F (80° C)	175° F (80° C)
Solubility	Insoluble in all common solvents	Insoluble in all common solvents
Backwash settled density	47 to 49 lbs/ft <sup>3</sup> (750 to 790 g/l)	47 to 49 lbs/ft <sup>3</sup> (750 to 790 g/l)

**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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**THERMAX**

## **TULSION<sup>®</sup> MB-110**

### **Mixed Bed Ion Exchange Resin for Production of Pure Water**

**TULSION<sup>®</sup> MB-110** is a mixture of gel type strong acid cation exchange resin **TULSION<sup>®</sup> T-42** in Hydrogen form and gel type strong base anion exchange resin **TULSION<sup>®</sup> A-27** in hydroxide form in equivalent capacity ratio.

**TULSION<sup>®</sup> MB-110** is designed for use in the production of water of the highest quality. **TULSION<sup>®</sup> MB-110** is the ideal choice for the electronic industry and high quality water for analytical work. This resin combines high capacity with excellent physical properties.



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