

## TULSION<sup>®</sup> A-2XMP ADM

### MACRO POROUS WEAK BASE ANION RESIN:

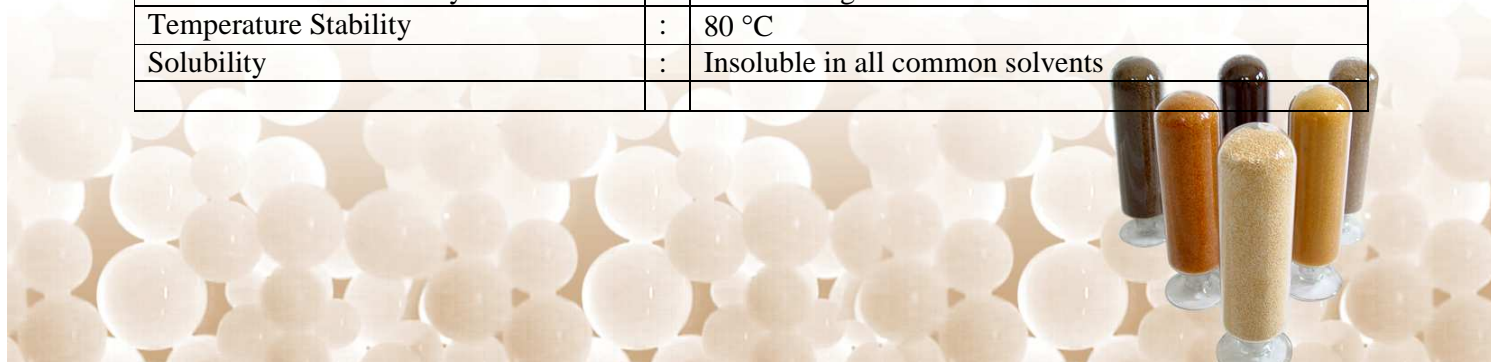
**TULSION<sup>®</sup> A-2XMP ADM** is an extremely durable macro porous weak base anion exchange resin, characterized by tertiary amine groups attached to a styrene divinylbenzene copolymer matrix. Supplied in free base form.

**TULSION<sup>®</sup> A-2XMP ADM** It has a unique physical structure which gives it superior kinetics and greater resistance to osmotic shock and resistance to organic matter than gel type weak base anion exchangers. Its particle size distribution is so selected to give better pressure drop and kinetics.

**TULSION<sup>®</sup> A-2XMP ADM** yields exceptionally stable operating capacity on caustic soda regeneration and has low rinse requirements. This is customized product suitable for the Process purification in various industry.

### TYPICAL CHARACTERISTICS OF TULSION<sup>®</sup> A-2XMP ADM

Type	:	Macro porous weak base anion ion exchange resin
Matrix structure	:	Cross linked Polystyrene
Physical form	:	Moist Spherical Beads
Functional Group	:	Tertiary Amine
Ionic Form	:	Free base form
Particle Size Distribution	:	0.3 to 1.2 mm
Uniform Coefficient	:	1.7 max
Effective Size	:	0.45 to 0.55 mm
Total Exchange capacity	:	1.4 meq/ml
Weak Base Anion sites	:	> 70 %
Moisture Content	:	53 ± 3 %
Swelling (approx)	:	FB to Cl -- 30%
Backwash Settled Density	:	640 to 680 g/l
Temperature Stability	:	80 °C
Solubility	:	Insoluble in all common solvents



## TYPICAL OPERATING CHARACTERISTICS OF TULSION® A-2XMP ADM

Maximum operating Temperature	:	80 °C
Resin Bed depth	:	800 mm
Maximum Service flow rate	:	40 m <sup>3</sup> /h/ m <sup>3</sup>
Backwash Expansion space	:	50 to 70%
Back wash expansion flow rate at 25 °C	:	4 to 8 m <sup>3</sup> /h/ m <sup>2</sup>
Regenerant	:	NaOH, Na <sub>2</sub> CO <sub>3</sub> , NH <sub>4</sub> OH
Regeneration level	:	120% of Operating Capacity for NaOH
Regeneration Concentration	:	1 to 5%
Regeneration Time	:	20 to 60 mins.
Rinse flow rate :		
Slow	:	At regeneration flow rate
Fast	:	At Service flow rate.
Rise volume	:	4 to 10 m <sup>3</sup> / m <sup>3</sup>

## 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/ 35 cft
MS drums	180 lit./ 7 cft
HDPE lines Bags	25 lit./ 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](mailto:resins@thermaxindia.com)



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