



# **TULSION<sup>®</sup> CAM-401**

## **“MIXED BED ION EXCHANGE RESIN FOR CARTRIDGE APPLICATIONS”**

**TULSION<sup>®</sup> CAM-401** is ready-to-use mixture of gel type cation and anion exchange resins in specially designed volumetric ratio so as to effect complete removal of ionic impurities from water. Superior quality of treated water and high output quantity are important features of **TULSION<sup>®</sup> CAM-401**.

**TULSION<sup>®</sup> CAM-401** is specially developed resin for various non-regenerable cartridge applications such as EDM wire cut, window cleaning and car washing.

### **TYPICAL CHARACTERISTICS TULSION CAM-401**

	<b>CATION RESIN COMPONENT</b>	<b>ANION RESIN COMPONENT</b>
Type	Strong Acid Cation Exchange Resin	Strong base anion exchange resin
Matrix structure	Cross linked polystyrene, Gel type.	Cross linked polystyrene, Gel type
Functional group	Sulphonic acid	Quaternary Ammonium Type I
Physical form	Moist spherical beads	Moist spherical bead
Ionic form supplied	Hydrogen	Hydroxide
Screen Size, US mesh	16 to 50	16 to 50
Particle Size	0.3 to 1.2 mm	0.3 to 1.2 mm
Total exchange capacity	1.6 meq/ml minimum (H <sup>+</sup> form)	1.0 meq/ml minimum (OH <sup>-</sup> form)
Temperature stability	120°C	80°C
Solubility	Insoluble in all common solvents	Insoluble in all common solvents
Shipping weight	750 gm/lit approximately	



INFLUENT LIMITATION	
Free chlorine	Not traceable
Turbidity	Less than 2 NTU
Iron and heavy metals	Less than 0.1 ppm

### 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 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.

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



Thermax Limited  
 Environment House, Chemical Divison,  
 90-92, BG Block, MIDC, Bhosari,  
 Pune - 411026, India.  
 Email: enquiry@thermaxglobal.com  
 Phone: +91 20 6715 6000  
 www.thermaxglobal.com

Thermax Inc.  
 16200 Park Row, Suite 190, Houston,  
 Texas 77084, USA  
 Email: customerservice@thermax-usa.com  
 Phone: +1 281-600-1331 – 5  
 www.thermax-usa.com