

TULSION[®] A-72 MP N

MACROPOROUS STRONG BASE TYPE I ANION EXCHANGE RESIN WITH CONTROLLED PORE SIZE

Tulsion[®] A-72 MP N is a specially developed macroporous Type I strong base anion exchanger having controlled pore size suitable for color and organics removal.

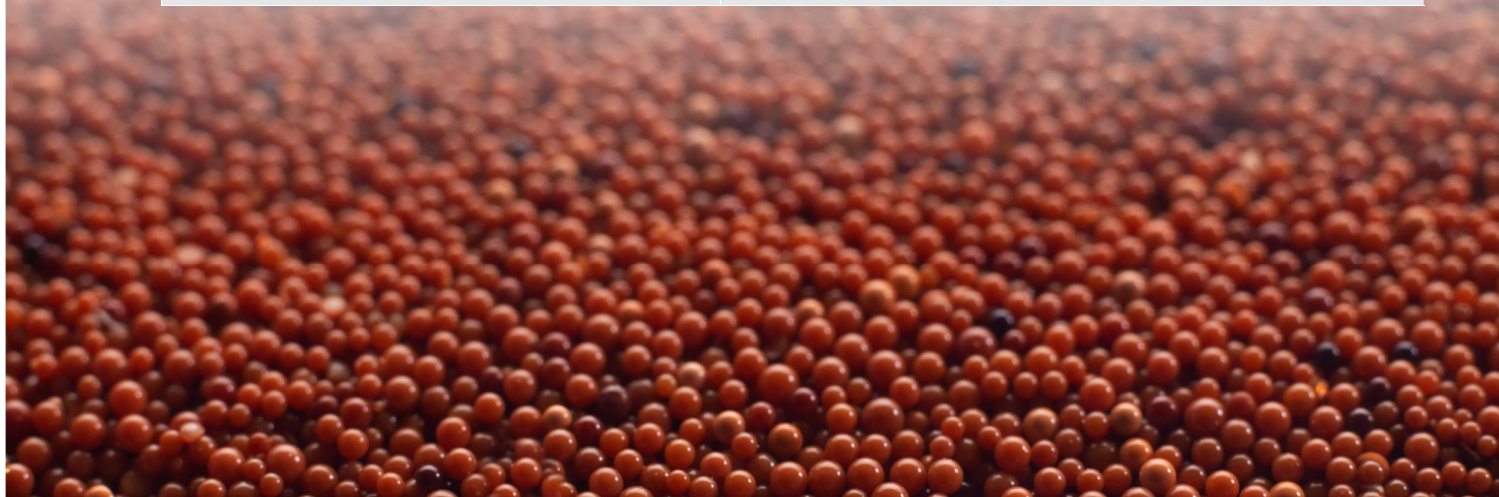
Tulsion[®] A-72 MP N in chloride form is specially used for de-colorization of sugar syrup as well as removal of organics and other aqueous and un-aqueous process streams.

Due to its macro-porous nature, Tulsion[®] A-72 MP exhibits excellent physical and chemical stability in a wide range of pH and temperature conditions.

Tulsion[®] A-72 MP N is NSF grade resin, conditioned during manufacturing to achieve low VOCs as per NSF standard. However it is recommended to do normal preconditioning of the resin before use.

TYPICAL CHARACTERISTICS

Type	Macroporous strong base anion exchange resin
Matrix structure	Polystyrene copolymer
Functional group	Quaternary amine
Physical form	Moist spherical beads
Ionic form	Chloride
Screen size USS (wet)	16-50
Particle size	0.3 to 1.2 mm
Total exchange capacity	1.0 meq/ml min.
Moisture content	60 ± 3%
Swelling (approx)	Chloride to Hydroxide : 20 %
Temperature stability	175 °F (80 °C)
Packing density	690 gm/lit.
pH range	0 to 14
Solubility	Insoluble in all common solvents



OPERATING CHARACTERISTICS	
Maximum operating temperature	175 °F (80 °C)
Resin bed depth minimum	24" (600 mm)
Service flow rate	8-10 BV/hour max.
Typical operating service flow rate	2-5 BV/Hour
Regenerant	10% alkaline NaCl solution
Regenerant concentration	10% NaCl + 2% NaOH
Regenerant level	200 gm NaCl + 20 gm NaOH / lit
Regeneration flow rate	1-2.5 BV/hour
Rinse flow rate : Slow	At regeneration flow rate
: Fast	At service flow rate

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 lined 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



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