

HIGH PURITY VIRGIN MIXED BED SINGLE USE DEIONIZATION RESIN

Tulsion MB-11G is a mixture of strongly acidic cation exchange resin in Hydrogen form and strongly basic anion exchange resin in Hydroxide form in equivalent volumetric ratio 1:1. These resins combine high capacity with excellent physical properties. Tulsion MB-11G is manufactured using special processing procedures to produce material of excellent purity to meet the exacting needs of various industries.

Tulsion MB-11G is recommended in any non-regenerable mixed-bed application where reliable production of the highest quality water is required.



Thermax Tulsion® MB-11G

TYPICAL CHARACTERISTICS

Resin Name	Tulsion T-46	Tulsion A-33 OH
Type	: Strong Acid Cation Exchange Resin	: Strong Base Anion Exchange Resin
Matrix structure	: Cross linked Polystyrene	: Cross linked Polystyrene
Functional group	: Sulphonic acid	: Quaternary ammonium Type I
Physical form	: Moist spherical beads	: Moist spherical beads
Ionic form	: Hydrogen	: Hydroxide
Screen size USS (wet)	: 16 - 50	: 16 - 50
Particle size (mm)	: 0.3 - 1.2	: 0.3 - 1.2
Fines content	: Less than 1% passing through 50 US mesh	:
Total exchange capacity	: 1.8 meq/ml min of 99% in H form	: 1meq/ml min of 99% in OH form & max 1% in Cl form
Moisture content	: 53 ± 3	: 60 ± 3
Backwash settled density	: Approximately 750 gms/l	
Temperature stability (max)	: 250° F / 120° C	: 175° F / 80° C
pH range	: 0 - 14	: 0 - 14
Bead strength	: Average not less than 500g/bead by Chatillion test	: Average not less than 250g/bead by Chatillion test
Impurities	: Fe < 50 ppm	
Volume ratio	: 1	: 1

TESTING

The sampling and testing of ion exchange resins is done as per standard testing procedures, namely ASTM D-2187 and IS-7330, 1998.

For handling, Safety and Storage requirements please refer to the Material Safety Data Sheet. The data 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.



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