RESINTECH CMB-SS is a high capacity heterogenous, strong acid cationic single sheet ion exchange membrane measuring 48” wide by 124” in length. The combination of a very strong fabric base and chemically stable binder results in a very tough and durable membrane. Membranes are supplied dry in sealed canisters for ease of storage. Ion exchange membranes offer superior performance and physical stability while being extremely cost effective.

FEATURES & BENEFITS

• HIGH PERMSELECTIVITY WITH LOW PERMEABILITY

• WIDE RANGE OF CHEMICAL AND TEMPERATURE STABILITY

• EXCEPTIONAL MECHANICAL STRENGTH

APPLICATIONS

• ELECTRODEIONIZATION FOR ULTRAPURE WATER IN EDI, CEDI AND SWEDI SYSTEMS

• ELECTROCOATING FOR CATIONIC AND ANIONIC PAINT SYSTEMS

• ELECTRODIALYSIS FOR DESALINATION AND DEMINERALIZATION

• ELECTROPLATING FOR METAL RECOVERY

TYPICAL PROPERTIES

Standard Size: 48”W x 124”L (US)
Standard Thickness: 18 ml (+/- 1)
Electrical Resistance: 0.5 mol/L NaCl 35-40 Ohm.cm²
Permselectivity: 0.1 mol KCl/kg / 0.5 mol KCl/kg 94%
Total Exchange Capacity: 1.3 meq/g (+/- 0.1)
Water Permeability: <10 ml/hr/ft² @ 5 psi
Mullen Burst Test Strength: >80 psi
Thermal Stability: 90˚ C
Chemical Stability: 1-10 pH
Ion Form: Sodium

PRECONDITIONING PROCEDURE

Membranes should be preconditioned by immersion in a salt solution or a solution similar to that of the intended application for several hours to allow for membrane expansion.

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