

Ion Power, Inc

Nafion[®]
perfluorinated polymer products

720 Governor Lea Road
New Castle, DE 19720

Ph: (302) 832 9550, Fax: (302) 832 9551

www.ion-power.com

Nafion[®] N -424

DESCRIPTION

Nafion[®] N -424 is a perfluorosulfonic acid cation exchange membrane combining outstanding chemical resistance with a strong polytetrafluoroethylene fiber reinforcement. It may be used for chloroalkali production and a variety of electrolytic processes.

PERFORMANCE

- Laboratory Cell (45 cm² active area)*

Membrane Type	Cell Voltage (V)	Current Efficiency (%)	NaOH (%)
N -424	3.74	97	2

* Conditions: 3 mm gap, DSA anode, nickel cathode, 90 deg. C

FORM

Nafion[®] N -424 is shipped in the "DRY" H⁺ form. "DRY" H⁺ membranes require simple pre-treatment in alkaline water. Refer to Nafion[®] Technical Bulletin No. 93-01 for "DRY" H⁺ membrane pre-treatment.

To ensure optimum performance of Nafion[®] N -424 in a commercial electrolyzer, please contact your representative for Nafion[®].

Note: The side marked CATH must be installed facing the cathode; otherwise, the membrane will be irreversibly damaged in use.