



Nafion[®]

perfluorinated membranes

Nafion[®] N-424

DESCRIPTION

Nafion[®] N-424 is a perfluorosulfonic acid cation exchange membrane combining outstanding chemical resistance with a strong polytetrafluoroethylene (pTFE) fiber reinforcement. It may be used for chloralkali 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.

SIZE AND PACKAGING

Nafion[®] membranes are available in custom sizes with widths up to 1.5 meters and lengths up to 4 meters. Nafion[®] N-424 membrane is shipped dry. Small sheets are sealed in pouches and

shipped flat in wooden containers. Large sheets are rolled on polyethylene covered fiberboard or plastic tubes, overwrapped with polyethylene sheeting and shipped in a plastic container.

Note: Before unpacking membranes, please read Nafion[®] Perfluorinated Membranes Technical Information, Safety in Handling and Use.

ORDER INFORMATION

The size availability of this product may vary, please contact your local Nafion[®] representative for details.

For more information about Nafion[®] contact:

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