



Nafion™ N324

Ion Exchange Materials

Product Information

Nafion™ N324 is a perfluorosulfonic acid (PFSA) cation exchange membrane, combining outstanding chemical resistance with a strong polytetrafluoroethylene (PTFE) 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, %
Nafion™ N324	3.53	88	10-14

*Conditions: Zero gap, 0.0045 m², DSA anode, activated nickel cathode, 200 g/L anolyte, 90 °C (194 °F), 4.0 kA/m²

Form

Nafion™ N324 is shipped in the DRY H⁺ form. DRY H⁺ membranes require simple pretreatment in alkaline water. Refer to technical bulletin T-08, "Nafion™ Hydrogen-Form Membrane Expansion," for DRY H⁺ membrane pre-treatment.



To ensure optimum performance of Nafion™ N324 in a commercial electrolyzer, please contact your representative for details.

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

Size and Packaging

Nafion™ membranes are available in custom sizes with widths up to 1.29 meters and lengths up to 2.5 meters. Nafion™ N324 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.

Order Information

The size availability of this product may vary; please contact your local representative for Nafion™.

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