

Products: ***PFSA Dispersions and Membranes (Like Nafion)***

Company name: *Electrochemia Baspar Co.*

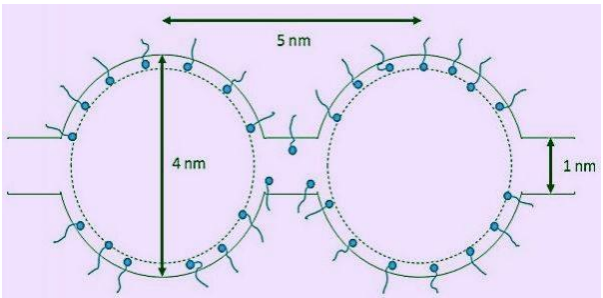
Introduction: ***Electrochemia Baspar*** is the sole manufacturer of perfluorinated sulfonic acid (PFSA) membranes and dispersions in west Asia. Our products as cation exchangers licensed by *Iran Polymer and Petrochemical Institute*, satisfy requirements of a broad range of high-tech applications technically and economically. High quality and low cost PFSA dispersions from 5% to 15% polymer contents are produced. We also manufacture PFSA membranes, similar to commercial *Nafion* and *Flemion* membranes with about 1100 equivalent weight at different thicknesses.

Applications in energy sector

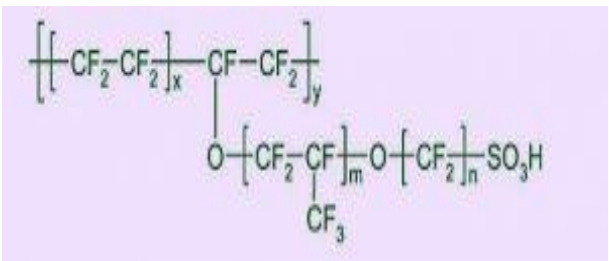
- (PEM) Fuel cells as horse powers for electric cars and/or hybrid vehicles, stationary (buildings) and mobile (cell phone and laptop) applications
- Rechargeable batteries, e.g. Sodium sulfur, Lithium ion-polymer, Vanadium redox flow and Zinc–air batteries, etc.
- New polymeric solar cells
- Super capacitors
- Water electrolysis for H_2 production
- Electrochemical synthesis
- Sensors and actuators (IPMC),
- Research and development (R&D)

Applications in chemical processing

- Chlor-alakli by membrane cell
- HCl electrolysis in PVC and Isocyanides productions
- High purity chemicals for semiconductor industries
- Humidifiers
- Super acid catalyst
- Industrial membrane repair, etc.







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