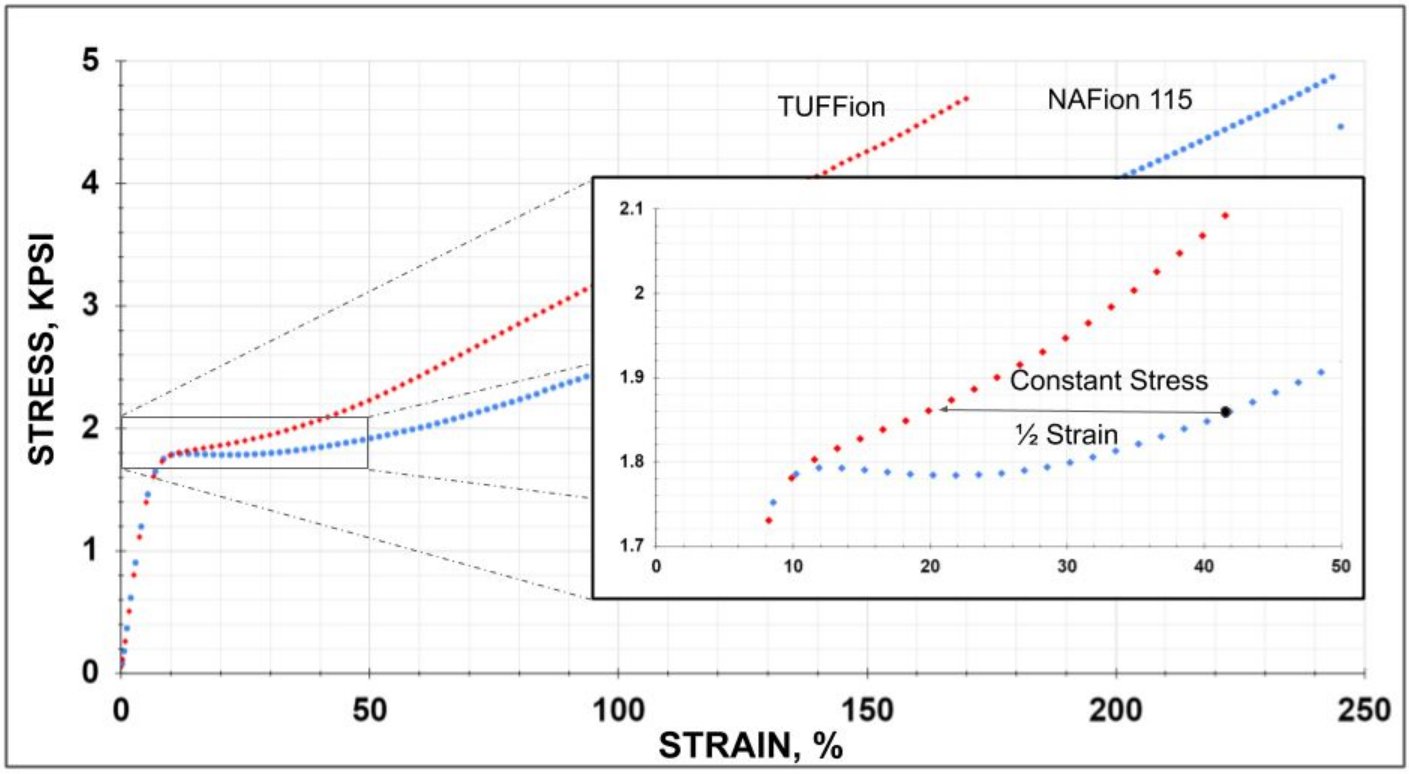
TUFFion™ Perfluorosulfonic Acid Polymer Membrane

Description

TUFFion™ is a 4 mil (100 micron) thick membrane made from extruded NAFION™ polymer with enhanced mechanical properties. The application is where mechanically strong membranes are needed. The enhanced mechanical properties are achieved using molecular orientation of the polymer so that excellent conductivity and transport properties are maintained without the use of reinforcements. H+ ion conductivity of 0.1 S/cm at 20 C, available in sheets 0.3 x 0.3 meters

Tensile Strength TUFFION™ Compared to NAFION™ N115



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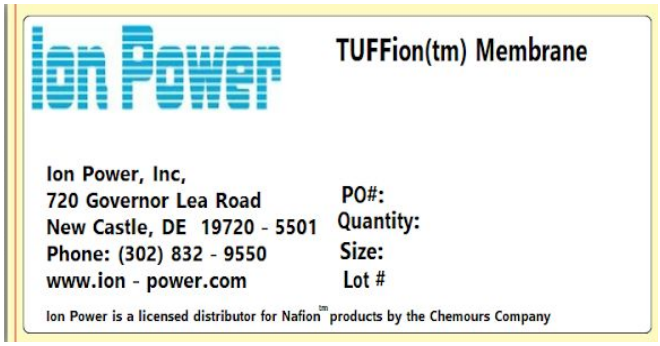
Physical Properties

	Isotropic Expansion in the X-Y Plane
Length Expansion from 50% RH 20 C to 20 C DI water, %	**11.5%**

Product Labeling and Storage

A self-adhesive product label is on the sealed plastic pouch containing the TUFFion™. The label indicates the product name, quantity, lot number, and purchase order number.

Store the product at room temperature.



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