

Product Name: Nafion[®] N-115 membrane, 0.125mm thick, ≥0.90 meq/g exchange capacity

Catalog Number: 042179.4X

CAS Number: 31175-20-9

IUPAC Name: 1,1,2,2-tetrafluoro-2-({1,1,1,2,3,3-hexafluoro-3-[(1,2,2-trifluoroethyl)oxy]propan-2-yl}oxy)ethane-1-sulfonic acid; tetrafluoroethene

Molecular Formula: C₉H₁₇O₅S

Molecular Weight: 544.13

InChI Key: FOYUGSIADQEOEK-UHFFFAOYNA-N

SMILES: FC(F)=C(F)F.OS(=O)(=O)C(F)(F)C(F)(F)OC(F)(C(F)(F)F)C(F)(F)OC(F)=C(F)F

Synonym: 1,1,2,2-tetrafluoro-2-({1,1,1,2,3,3-hexafluoro-3-[(1,2,2-trifluoroethyl)oxy]propan-2-yl}oxy)ethanesulfonic acid; tetrafluoroethylene

Product Specification

Form: Solid membrane (Nafion[®]) N-115, 0.125mm thick.

Assay from Supplier's CoFA: Water content typically 5% w/w

Assay from Supplier's CoFA: ≥0.90 meq/g exchange capacity.

Assay from Supplier's CoFA: Conductivity ≥ 0.10 S/cm

Assay from Supplier's CoFA: Density = 1.98

Date Of Print: 06/11/2025

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.