

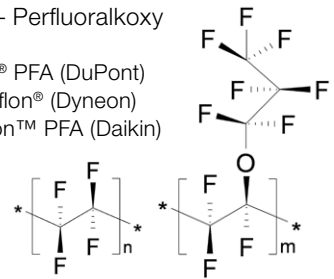
PFA LABWARE

Handling of ultra-pure, aggressive and sensitive products



PFA – Perfluoralkoxy

Teflon® PFA (DuPont)
 Hostaflon® (Dyneon)
 Neoflon™ PFA (Daikin)



PFA – THE SUPERIOR MATERIAL

- :: Fully fluorinated polymer
- :: Chemically inert due to strong C-F bonds
- :: Ultra-pure polymer without any additives
- :: Transparent polymer with smooth surface
- :: Thermally resistant (–200 °C up to +260 °C)
- :: Resistant against HF and oxidizing acids
- :: Anti-adhesive and hydrophobic
- :: Unbreakable

APPLICATIONS OF PFA

- :: Safe storage of ultra pure chemicals
- :: Ultra-trace analysis in ppt (pg/g) level
- :: Handling of semiconductor materials
- :: Digestion and element enrichment
- :: Sample treatment in geochemistry
- :: Storage of biochemical substances



PFA GENERAL LABWARE

Handling, measuring, dispensing, heating of ultra-pure and aggressive acids

- :: Avoids element contamination
- :: Stable in hot and aggressive liquids
- :: Non-wettable due to hydrophobic surface
- :: Ultra-low ionic interactions
- :: Easy cleaning and autoclaving



PFA BOTTLES

Longterm storage of ultra-pure acids, standards and sensitive biochemicals

- :: Narrow and wide neck designs
- :: Translucent with volume marks
- :: Volume range 10 mL to 10 Liters
- :: Storage of ultra-pure liquids and acids
- :: Safe sealing with PFA closure



PFA VIALS & TUBES

Sample digestion, element enrichment and measurement in Autosampler racks

- :: 'All-in-One' concept minimizes errors
- :: Vials fit in heating and Autosampler racks
- :: Volume marks in 5 mL intervals
- :: Optimized, rounded inner bottom for complete recovery of valuable samples



LASER MARKINGS

Individual marking – acid and smudge-proof!

- :: The focused laser beam carbonizes the material under its surface. A high contrast appears between the marked and non-marked regions.
- :: Barcodes, 2D codes, numbers and even logos or pictograms can be labeled
- :: Marking area can be sized up to 70 x 70 mm
- :: A laser pixel size smaller than 50 µm allows labeling of fine structures