



KINTEK

## Crucibles & Evaporating Dishes Catalog

Contact us for more catalogs of PTFE(Teflon) Products, Reaction & Synthesis Equipment, Electrochemistry & New Energy Testing, Basic Labware & Containers, Fluid Transfer, Tubing & Valves, Sample Preparation & Filtration, General Consumables & Seals, High-Purity & Trace Analysis, Custom Machining Services, etc.

# **KINTEK**

## **COMPANY PROFILE**

### **>>> About Us**

From everyday basic labware (beakers, measuring cylinders, crucibles, dishes, reagent/wash bottles, centrifuge and digestion tubes), high-purity trace analysis instruments, and cleaning/storage tanks, to comprehensive fluid transfer components (tubing, fittings, valves), sample prep and filtration tools (separatory funnels, burettes, filters, pipettes, tweezers, spatulas), and general consumables (stirring bars, O-rings, gaskets, seal tapes, caps, septa), extending all the way to advanced derivative and reaction apparatus like standard or custom electrochemical cells, battery testing fixtures, electrode accessories, hydrothermal synthesis liners, microwave digestion vessels, microchannel reactors, and condensation/reflux devices, KINTEK manufactures virtually all imaginable laboratory supplies crafted from PTFE and PFA. Backed by end-to-end custom CNC fabrication, we are equipped to deliver absolutely everything from complex non-standard machined parts and bespoke laboratory setups to high-volume orders, maintaining an exclusive and absolute focus on high-performance fluoropolymer materials.



# Ptfe Square Tank Acid Pickling Bath Corrosion Resistant Integrated Rectangular Container With Lid

Item Number: PL-CP08



## Introduction

High-performance PTFE square tanks and acid baths providing absolute chemical resistance and leak-proof reliability. Engineered through integral molding for demanding laboratory pickling, immersion, and fluid storage applications where high purity and thermal stability are essential.

[Learn More](#)

Application	Description	Key Benefit
<b>Semiconductor Cleaning</b>	Immersion of silicon wafers in hydrofluoric acid baths to remove oxide layers and impurities.	Zero metallic contamination and high HF resistance.
<b>Trace Metal Analysis</b>	Used as a digestion tank or pickling station for preparing samples in geological and environmental labs.	Extremely low leaching levels for high-accuracy results.
<b>Pharmaceutical Synthesis</b>	Holding tank for reactive intermediates and organic solvents during large-scale drug formulation.	Inertness prevents secondary reactions with the vessel.
<b>Metallurgical Pickling</b>	Removal of surface oxides from precision components using heated aqua regia or sulfuric acid.	High temperature tolerance and acid durability.
<b>Electrochemistry</b>	Serving as a reservoir or cell body for electrolytes in battery testing and plating experiments.	Excellent dielectric properties and chemical stability.
<b>Aerospace Degreasing</b>	Deep cleaning of complex engine components using aggressive solvents and chemical strippers.	Robust integrated design prevents leaks under stress.
<b>Food &amp; Beverage Lab</b>	Storage of flavoring agents and additives that require non-stick surfaces for total recovery.	FDA-compliant material properties and easy cleaning.
<b>Chemical Distribution</b>	Serving as a circulating tank for high-purity reagent delivery systems in industrial plants.	Long service life reduces maintenance downtime.

Parameter	Specification Details (Item: PL-CP08)
<b>Base Material</b>	High-Purity Polytetrafluoroethylene (PTFE)
<b>Manufacturing Method</b>	One-piece Seamless Integral Molding
<b>Standard Shapes</b>	Rectangular Square, Circular, or Bespoke Geometry
<b>Temperature Range</b>	-200°C to +250°C (-328°F to +482°F)
<b>Chemical Resistance</b>	Acids, Bases, Solvents (HF, Aqua Regia, H2SO4, etc.)
<b>Surface Energy</b>	Extremely low (Non-stick properties)
<b>Moisture Absorption</b>	<0.01%
<b>Standard Capacities</b>	Custom sized to volume requirements
<b>Optional Accessories</b>	Matching PTFE Lids, Drainage Ports, Mounting Flanges
<b>Color</b>	Opaque White
<b>Cleaning Protocol</b>	Autoclavable; compatible with ultrasonic cleaning



**Kintek**

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