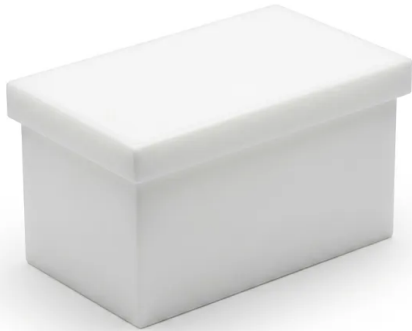


High Purity Ptfе Square Tank With Lid Corrosion Resistant Low Background Teflon Sink For Trace Analysis

Item Number: PL-CP220



Introduction

Engineered for trace analysis and harsh chemical processing, this high-purity PTFE square tank with lid offers ultimate corrosion resistance and low background levels. Custom-fabricated to your specific laboratory or industrial requirements for maximum durability and chemical inertness.

[Learn More](#)

| Application | Description | Key Benefit |
|---------------------------------|--|---|
| Trace Metal Analysis | Used as a digestion vessel or storage tank for samples intended for ICP-MS or AAS analysis. | Minimizes leachable contaminants to ensure ppt-level accuracy. |
| Semiconductor Wafer Cleaning | Serves as a bath for etching or cleaning silicon wafers with aggressive fluorinated acids. | Prevents equipment corrosion while maintaining ultra-high purity levels. |
| Pharmaceutical Synthesis | Ideal for batch reactions involving corrosive catalysts or high-purity pharmaceutical intermediates. | Ensures no plasticizers or additives leach into the active ingredients. |
| Battery Research | Used for the immersion and testing of electrode materials in aggressive electrolytes. | Resists the corrosive nature of lithium salts and organic carbonates. |
| Acid Leaching & Digestion | Provides a safe environment for hot acid leaching of geologic or metallurgical samples. | Supports high-temperature acid processing without structural failure. |
| Precious Metal Recovery | Utilized in the dissolution and refining of gold, platinum, and palladium using aqua regia. | Complete resistance to the most aggressive oxidizing acid mixtures. |
| Storage of High-Purity Reagents | Acts as a secondary containment or primary storage vessel for ultra-pure laboratory chemicals. | Long-term chemical stability without degrading the stored reagent purity. |

| Feature | Specification Details (Model: PL-CP220) |
|------------------------|--|
| Material | 100% High-Purity Virgin PTFE (Polytetrafluoroethylene) |
| Item Number | PL-CP220 |
| Capacity Options | 3L, 5L, or Fully Customizable Volume |
| Temperature Resistance | -200°C to +260°C |
| Chemical Resistance | Universal (Except molten alkali metals and elemental fluorine) |
| Surface Finish | Smooth, Non-porous CNC Machined Finish |
| Design Type | Square/Rectangular with Removable Lid |
| Wall Thickness | Customizable based on structural requirements |
| Dimensional Tolerance | Precise CNC tolerances (Customizable per drawing) |
| Lid Style | Loose-fit or Precision-stepped Sealing Lid |
| Background Level | Ultra-low (Suitable for Trace Element Analysis) |