KINTEK

Pipettes, Tweezers & Spatulas Catalog

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

Custom Ptfe Parts Manufacturer For Teflon Parts And Ptfe Tweezers

Item Number: PL-1019

Introduction

KINTEK prioritizes precision production and offers custom fabrication from prototypes to high-volume orders.

Learn More

High Purity Ptfe Weights For Hollow Capsule Friability Testing With Precision Tweezers And Glass Tube Laboratory Kit

Item Number: PL-CP223

Introduction

Enhance pharmaceutical testing accuracy with our high-purity PTFE weights for hollow capsule friability analysis. This professional kit includes precision-machined weights, tweezers, and glass tubes, ensuring chemical resistance and repeatable results in demanding laboratory environments for quality control.

Learn More

Application	Description	Key Benefit
Pharmaceutical Quality Control	Routine friability testing of hard gelatin and HPMC capsules to ensure batch consistency.	Reliable compliance with USP standards.
Drug Formulation R&D	Evaluating the mechanical strength of new capsule formulations during the development phase.	Accurate data for formulation optimization.
Stability Testing	Assessing how environmental factors like humidity and temperature affect capsule brittleness over time.	Long-term material stability under stress.
Bioavailability Studies	Ensuring capsules remain intact until ingestion to protect sensitive active pharmaceutical ingredients (APIs).	Integrity verification of the dosage form.
Contract Manufacturing	Providing standardized testing tools for third-party verification of pharmaceutical integrity.	Inter-laboratory result reproducibility.
Forensic Analysis	Utilizing non-reactive tools for the analysis of unknown capsule samples in sensitive investigations.	Contamination-free sample handling.

Parameter Group	Specification Detail	Value / Description
Model Identifier	Item Number	PL-CP223
Material Construction	Primary Body Material	High-Purity Virgin PTFE (Polytetrafluoroethylene)
Material Properties	Operating Temperature Range	-200°C to +260°C
Chemical Resistance	Solvent/Acid/Base Compatibility	Universal (except molten alkali metals and fluorine)
Kit Components	Weights	Precision-Machined PTFE Weights (Customizable)
Kit Components	Manipulation Tools	Precision Laboratory Tweezers
Kit Components	Testing Chamber	Specialized Laboratory Glass Tube
Dimensional Accuracy	Machining Tolerance	Precision CNC Standards (Customizable)
Surface Finish	Texture	Ultra-Smooth, Low-Friction Finish
Customization	Bespoke Design	All dimensions and weights are fully customizable

Custom Ptfe Double Headed Lab Spatula Chemical Resistant Non Stick Pharmaceutical Grade Fluoropolymer Sampling Tool

Item Number: PL-CP129

Introduction

Premium custom PTFE double-headed lab spatulas offer exceptional chemical resistance and non-stick performance for pharmaceutical and food-grade applications. These high-purity fluoropolymer sampling tools ensure contamination-free handling and are fully customizable to meet your specific industrial laboratory requirements.

Learn More

Application	Description	Key Benefit
Pharmaceutical Compounding	Transferring active pharmaceutical ingredients (APIs) during the formulation process.	Zero cross-contamination and high material recovery rates.
Trace Metal Analysis	Handling samples for ICP-MS or atomic absorption spectroscopy where metal contamination must be avoided.	Metal-free construction ensures analytical accuracy and sample integrity.
Battery Research	Manipulating electrolyte components and electrode materials in lithium-ion battery development.	Chemical resistance to aggressive salts and organic solvents.
Food Quality Control	Sampling ingredients and additives in commercial food production environments.	FDA-compliant material that is easy to sterilize and non-reactive.
Cryogenic Material Handling	Retrieving samples from ultra-low temperature storage or liquid nitrogen dewars.	Material remains flexible and does not become brittle at sub-zero temperatures.
Petrochemical Testing	Mixing and scraping heavy oils, catalysts, and crude samples in refinery laboratories.	Resistant to hydrocarbon-based solvents and high-heat environments.
Semiconductor Processing	Handling high-purity wafers or chemical etchants in cleanroom environments.	Minimal particle generation and extreme resistance to hydrofluoric acid.

Parameter	Specification for PL-CP129
Material Construction	100% Virgin PTFE (Polytetrafluoroethylene)
Design Type	Double-Headed (Spoon/Spatula, Dual Spoon, or Dual Spatula)
Customization Level	Fully Customizable Dimensions and Geometry
Standard Lengths	Custom-built from 100mm to 500mm+
Head Width Options	Customizable from 5mm to 50mm
Chemical Resistance	Universal (except molten alkali metals and elemental fluorine)
Operating Temperature	-200°C to +260°C (-328°F to +500°F)
Surface Finish	High-precision smooth CNC finish (Ra < 0.8 µm)
Compliance	Food Grade / Pharmaceutical Grade USP Class VI compatible
Cleaning Methods	Autoclavable, compatible with ultrasonic cleaning and strong etchants

Reusable Fep Pipette Tips Corrosion Resistant Fluoropolymer Labware Compatible With 5Ml Pipettors

Item Number: PL-CP120

Introduction

Engineered for high-purity trace analysis, these reusable FEP pipette tips offer exceptional chemical resistance and low retention. Designed for 5ml pipettors, our fluoropolymer tips ensure contamination-free liquid handling for demanding semiconductor and pharmaceutical laboratory environments today.

Learn More

Application	Description	Key Benefit
Trace Metal Analysis	Handling of ultrapure acids and samples for ICP-OES and ICP-MS analysis.	Prevents metal ion leaching for sub-ppb accuracy.
Semiconductor Processing	Precise dispensing of photoresists, etchants, and high-purity cleaning agents.	Maintains chemical integrity in contamination-sensitive environments.
Geochemical Research	Dissolution of rock samples using concentrated hydrofluoric acid (HF).	Absolute resistance to HF which melts standard glass and plastic.
Pharmaceutical R&D	Transfer of aggressive organic solvents and reactive chemical intermediates.	Eliminates extractables and leachables from standard plastics.
Environmental Testing	Analysis of PFAS and other trace pollutants in water and soil extracts.	Low-adsorption surface prevents loss of analytes to the tip walls.
Nuclear Chemistry	Management of radioactive isotope solutions and corrosive radiopharmaceuticals.	High radiation resistance and easy decontamination protocols.
Battery Research	Handling of electrolyte solutions and lithium-ion battery precursors.	Prevents cross-contamination in moisture-sensitive electrochemical processes.

Parameter	Specification	Note
Model Number	PL-CP120	Primary base identifier
Material	High-Purity FEP (Fluorinated Ethylene Propylene)	Premium fluoropolymer grade
Nominal Volume	5ml	Optimized for high-volume pipetting
Manufacturing Method	Integral Molding / Precision CNC	Ensures seamless internal geometry
Chemical Compatibility	Universal (Acids, Bases, Solvents, HF)	Only affected by molten alkali metals
Temperature Range	Customizable	Specifically tailored to process requirements
Tip Dimensions	Customizable	Designed to match specific pipettor shafts
Internal Surface Finish	Mirror Smooth / Low Retention	Minimizes residual liquid
Cleaning Method	Autoclavable / Acid Washable	Supports multiple sterilization cycles
Customization Options	Fully Customizable	Dimensions, lengths, and bores available
Color	Translucent / Natural	Allows for clear fluid visibility

Kintek
Head Quarter: No.89 Science Avenue, High-Tech Zone,
Zhengzhou, China

info@kindle-tech.com | https://kintek-solution.com