

Custom Acid And Alkali Resistant Ptfе Pharmacy Scoop High Temperature White Teflon Material Handling Scoop For Bio Pharmaceutical Lab Use

Item Number: PL-CP131



Introduction

High-purity PTFE pharmacy scoops designed for demanding bio-pharmaceutical environments. These custom acid-resistant, high-temperature Teflon material handling tools offer superior chemical inertness and durability. Contact KINTEK for bespoke laboratory fluoropolymer solutions tailored to your specific process requirements today.

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Application	Description	Key Benefit
API Manufacturing	Handling of active pharmaceutical ingredients and corrosive precursors during synthesis.	Prevents chemical reactions with sensitive compounds.
Trace Metal Analysis	Transferring samples into digestion vessels or crucibles for ICP-MS/AES analysis.	Minimal background contamination for high accuracy.
Semiconductor Processing	Moving high-purity powders and materials in wafer fabrication cleanrooms.	High purity and low particulate generation.
Cryogenic Material Handling	Retrieving samples from liquid nitrogen or ultra-low temperature freezers.	Remains ductile and functional at -200°C.
Battery Research	Handling lithium salts and aggressive electrolytes in battery test cell assembly.	Resistance to highly reactive chemical environments.
Catalyst Preparation	Measuring and transferring metal-based catalysts in petrochemical research.	Non-stick surface ensures total material recovery.
Food & Flavor Industry	Sampling acidic or alkaline food additives and concentrated flavorings.	FDA-compliant material safety and easy sterilization.
Hydrothermal Synthesis	Loading precursors into PTFE liners for high-pressure chemical reactions.	Thermal stability matches liner performance limits.
Forensic Science	Collection and transfer of chemical evidence that may react with metallic tools.	Chemical neutrality preserves evidence integrity.

Feature	Specification Details (Model: PL-CP131)	Customization Options
Material	100% High-Purity Virgin PTFE (Teflon)	PFA and Modified PTFE available
Standard Length	280 mm (Nominal)	Custom lengths from 100mm to 1000mm
Bowl Width	Standard Industrial Width	Customizable based on vessel opening
Operating Temperature	-200°C to +260°C	Fixed for PTFE material
Chemical Resistance	Universal (Except molten alkali metals, fluorine)	N/A
Color	Opaque White	Natural (Semi-transparent for PFA)
Surface Roughness	Ra < 0.8 µm (High-gloss finish)	Polishing levels can be specified
Fabrication Method	Precision CNC Machined	Full bespoke geometry supported
Handle Type	Solid Round / Ergonomic Flat	Threaded or extendable options
Certification Support	Material Certificate of Conformity	Available upon request