

Corrosion Resistant Ptfе Pharmaceutical Scoop Non Stick Bio-Pharmaceutical Material Shovel For High Purity Chemical Handling

Item Number: PL-CP138



Introduction

Discover high-purity corrosion resistant PTFE pharmaceutical scoops designed for sterile material handling. These non-stick, easy-clean shovels provide ultimate chemical inertness for demanding bio-pharmaceutical and laboratory applications. Customize your high-performance material shovel today for superior process integrity.

[Learn More](#)

Application	Description	Key Benefit
API Manufacturing	Transferring active pharmaceutical ingredients during the synthesis and formulation stages.	Prevents chemical reactions between the scoop and sensitive drug precursors.
Trace Metal Analysis	Handling samples in environmental and forensic labs where ppb levels of accuracy are required.	Eliminates metallic contamination common with stainless steel tools.
Battery Material Prep	Scooping corrosive electrolyte salts and lithium-ion battery precursors during R&D.	Exceptional resistance to fluoride-based compounds and strong oxidizers.
Cryogenic Sampling	Retrieving samples from liquid nitrogen storage or ultra-low temperature freezers.	Maintains ductility and strength at extreme sub-zero temperatures.
Semiconductor Grade Chemicals	Moving high-purity powders used in wafer fabrication and chemical vapor deposition.	Ensures no particle shedding or chemical impurities are introduced to the process.
Food & Beverage Lab	Handling high-acid food concentrates and flavoring agents in quality control labs.	Compliance with high-purity standards and resistance to flavor carryover.
Hydrothermal Synthesis	Loading reagents into digestion vessels and reactors in material science research.	Withstands potential contact with residual heat and aggressive reagents.
Catalyst Handling	Measuring out sensitive catalysts for petrochemical and organic synthesis reactions.	Non-stick properties ensure precise dosage and complete transfer of expensive materials.

Specification	Details for PL-CP138
Item Number	PL-CP138
Material	High-Purity Virgin Polytetrafluoroethylene (PTFE)
Chemical Resistance	Excellent (Inert to almost all chemicals except molten alkali metals and elemental fluorine)
Operating Temperature	-200°C to +260°C (-328°F to +500°F)
Surface Finish	Smooth, non-porous, hydrophobic
Fabrication Method	Precision CNC Machined / Custom Molded
Configuration	Customizable (Custom product based on user requirements)

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Dimensional Accuracy	High-precision tolerances available for custom designs	
Biocompatibility	Suitable for pharmaceutical and medical laboratory use	
Sterilization Compatibility	Autoclave, ETO, Gamma, and Chemical Disinfectants	