

Custom Food Grade Ptfе Scoops Cylindrical Chemical Spatulas Bio Pharmaceutical Non Polluting Material Handling Tools

Item Number: PL-CP103



Introduction

Ensure zero-contamination material handling with custom food-grade PTFE scoops. Designed for chemical, pharmaceutical, and food industries, these inert cylindrical spatulas offer superior chemical resistance and temperature stability for demanding laboratory and industrial processing environments.

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Application	Description	Key Benefit
Pharmaceutical API Handling	Transferring active pharmaceutical ingredients during synthesis and formulation.	Ensures zero metallic or chemical leaching into the drug product.
Food & Beverage Processing	Measuring and dosing high-purity ingredients, additives, and flavorings.	FDA-grade material prevents contamination and complies with safety standards.
Chemical Catalyst Charging	Loading corrosive or highly reactive catalysts into chemical reactors.	Resists chemical attack from aggressive reagents, extending tool lifespan.
Trace Metal Analysis	Preparing samples for environmental testing and high-sensitivity laboratory analysis.	Eliminates background noise and contamination from the sampling tool.
Bio-processing & Cell Culture	Handling media components and sterile buffers in bioreactor environments.	Non-stick surface reduces bio-burden and simplifies sterilization cycles.
Cosmetic Formulation	Mixing and measuring viscous emulsions and specialized pigments.	Easy cleaning and no pigment carry-over between different production batches.
Battery Material Research	Handling sensitive lithium salts and conductive powders in dry room conditions.	High purity and moisture resistance protect sensitive battery chemistries.

Parameter	PL-CP103 Specification
Model Identification	PL-CP103 Series
Base Material	Virgin PTFE (Polytetrafluoroethylene)
Material Grade	Laboratory, Food, and Medical Grade
Structural Design	Cylindrical Scoop / Tool Spatula
Dimensions	Custom-made based on user requirements
Handle Configuration	Customizable length and ergonomic profile
Chemical Resistance	Universal (pH 0-14)
Operating Temperature	-200°C to +260°C
Surface Finish	Smooth Machined Finish (Custom Ra values available)
Manufacturing Process	Precision CNC Machining
Compliance	FDA Approved, USP Class VI material options
Variant Options	Bespoke cylindrical diameter, scoop depth, and reinforced handles