

NuPORE Filtration Systems

PureChrom® Polypropylene (PP) Syringe Filters | Technical Data Sheet

Product Overview

The **NuPORE-PPSY25200SE** is a high-performance 25mm diameter syringe filter featuring a 20.0-micron Polypropylene (PP) membrane enclosed inside a medical-grade polypropylene housing. Engineered specifically for rough/coarse clarification and heavy particulate sample pre-filtration, these filters are individually wrapped and sterilized using Ethylene Oxide (ETO) to meet stringent laboratory and manufacturing compliance environments.

Technical Specifications

Specification Parameter	Value / Detail
Model Reference	NuPORE-PPSY25200SE
Filter Media	Polypropylene (PP) Membrane
Housing Material	Medical-Grade Polypropylene
Pore Size Rating	20.0 Micron (µm)
Filter Diameter	25 mm
Sterilization Method	Ethylene Oxide (ETO) Sterile
Inlet Connection	Female Luer-Lock
Outlet Connection	Male Luer Slip
Packaging Format	Individually Packed Blister (100 units / packet)
Chemical Compatibility	Broad resistance to acids, bases, aqueous solutions, and organic solvents

Key Applications & Features

- **Coarse Pre-filtration:** Removes large, visible or colloidal particles to protect downstream fine membranes (0.22µm/0.45µm).
- **Viscous Clarification:** Ideal for highly turbid, muddy, or complex particle-laden liquid solutions.
- **Low Extractables:** Minimal background interference across analytical chemistry applications.
- **Biocompatible Design:** Built using regulatory-compliant housing materials ensuring reliable QA/QC operations.

Compliance & Quality Assurance

Manufactured in compliance with ISO 9001 and ISO 13485 production standards. Materials meet USP Class VI biosafety certification guidelines and are FDA-compliant for medical, food, and beverage processes.