PRODUCT DATASHEET

Nylon Syringe Filters

Nylon membrane, 0.22 and 0.45 µm, 13 and 25 mm





DETAIL – 13 MM AND 25 MM FILTERS

OVERVIEW

The Tech Inc. Nylon Syringe Filters have a naturally hydrophilic nylon 6,6 membrane that resists most organic solvents and bases. They are a cost-effective general-purpose filter for HPLC sample preparation with aqueous and organic mobile phases.

MODELS AND CONFIGURATIONS

- **0.22 µm** – UHPLC samples.
- **0.45 µm** – routine HPLC and mobile phases.
- **With glass-fibre prefilter** – particle-laden samples.
- **Non-sterile packs** – analytical sample preparation.

TYPICAL DESIGN DATA

Model series	TI-SF-NY-13 and TI-SF-NY-25
Membrane	Nylon 6,6
Pore sizes	0.22 and 0.45 µm
Diameters	13 and 25 mm
Filtration area	About 0.8 cm² (13 mm) and 4.5 cm² (25 mm)
Typical sample volume	Up to 10 mL (13 mm) and 100 mL (25 mm)
Hold-up volume	Below about 10 µL (13 mm) and 100 µL (25 mm)
Maximum pressure	About 5 bar
Housing	Polypropylene, Luer lock inlet, Luer slip outlet
Pack	100 per box

APPLICATIONS

HPLC sample preparation, organic solvent and mobile-phase filtration, dissolution testing and general laboratory clarification.

KEY ADVANTAGES

- **Broad solvent resistance** – aqueous and organic samples
- **Naturally hydrophilic** – no pre-wetting
- **Economical** – a general-purpose choice

How to cite: Nylon Syringe Filters (model TI-SF; Tech Inc., Vaughan, Ontario, Canada). www.techincresearch.com/product-page/nylon-syringe-filters

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Offices: Chennai · Toronto · Tallinn · Al Khobar

mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

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