

## Formamide Compatible Nylon Syringe Filters - Tech Information

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### Overview

Amide solvents such as formamide, dimethylformamide (DMF), and acetamide are widely used in life-science workflows, nucleic acid preparations, peptide chemistry, and various analytical procedures. Choosing a syringe filter that maintains integrity when exposed to these aggressive solvents is essential for both safety and chromatographic accuracy.

MICROSOLV's AQ™ Brand Nylon Syringe Filters are engineered for broad chemical compatibility and have been verified to withstand long-term exposure to these high-polarity solvents without membrane degradation, leaching, or performance loss.

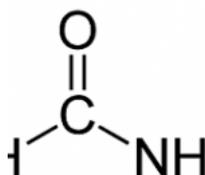
This makes them an excellent choice for labs that routinely process amide-based solutions.

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### Compatibility With Amide-Based Solvents

Laboratories working with amide solvents should ensure that the filter membrane and housing materials are stable and extractable-free. AQ™ nylon devices maintain structural and chemical resilience when used with:

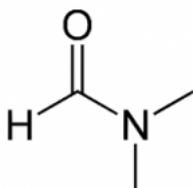
#### Formamide



- Fully compatible
- No swelling or structural compromise
- Suitable for high-purity sample filtration

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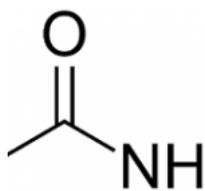
#### Dimethylformamide (DMF)



- Fully compatible
- Membrane maintains porosity and strength

- Excellent for sample preparation and method development
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## Acetamide



- Fully compatible
- No known adverse membrane interactions
- Recommended for organic and biochemical workflows

This broad compatibility makes AQ™ nylon a versatile choice for demanding analytical applications.

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## Why AQ™ Nylon Filters Perform Well

AQ™ Brand Nylon Syringe Filters are known for:

- High chemical resistance to polar aprotic solvents
- Low extractables due to advanced membrane washing and manufacturing controls
- Mechanical durability even under pressure
- Consistent pore structure, ensuring reproducible filtration
- Compatibility across a wide range of organic and aqueous solvents

This makes them ideal for researchers needing reliable filtration without risking solvent-induced contamination or loss of analyte.

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## Applications Involving Formamide & Related Solvents

AQ™ nylon filters are commonly used in workflows such as:

- DNA/RNA denaturation processes using formamide
- Peptide synthesis cleanup involving DMF
- Protein or ligand solubilization with amide solvents
- Polar organic extraction and preparation
- Analytical and preparative chromatography filtration steps

Their solvent tolerance ensures stability and purity during all these applications.

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## Ordering Information

For ordering details, catalog numbers, technical specifications, and product images for AQ™ Brand Nylon Syringe Filters: Click [HERE](#) for ordering information and pictures of AQ brand of syringe filters.

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