



# Magna™ PVDF (Polyvinylidene Fluoride)

Magna™ PVDF (Polyvinylidene Fluoride) membrane is a naturally hydrophobic, unsupported transfer membrane. It has a high binding capacity and low backgrounds and is ideal for use in protein binding applications such as western blots, solid phase assays and immuno blotting procedures.

## ■ Features and Benefits

Magna PVDF membrane has many features that make it ideal for use in protein binding applications such as western blots, solid phase assays and immuno blotting procedures.

Superior strength	Can withstand aggressive handling or be used with automated equipment without breaking or tearing.
Low extractables	Ensures tests will be clean with consistent results.
Exceptional sensitivity	Detects low-level components.
Hydrophobic	Resists water.
Lot-to-lot consistency	Quality checks ensure consistent binding for dependable results every time.
High binding capacity	Binds a wide range of fragment sizes.
High range of chemical compatibility	Resistant to most commonly used chemicals and chemically aggressive solvents.

## ■ Exceptional Strength and Chemical Compatibility

Produced through a proprietary manufacturing process, Magna PVDF membrane meets rigorous quality standards throughout every step of production. This process generates consistent lot-to-lot binding among the membranes and ensures product uniformity.

Magna PVDF is a naturally hydrophobic, unsupported transfer membrane. It has a high binding capacity, which prevents protein from passing through the membrane, and a low background that provides for an excellent signal-noise ratio. It also has exceptional tensile strength, preventing it from cracking, tearing, breaking or curling.

This membrane also has a high chemical compatibility, which is important when used with common stains such as, Amido Black, Colloidal Gold, Coomassie Blue, India Ink and Ponceau-S. Magna PVDF will not degrade, distort or shrink when a high concentration of methanol is used for destaining.

Its exceptional strength, high binding capacity and chemical compatibility make Magna PVDF ideal for use in western blots, immunoblotting, and solid phase assays.

### *Applications*

*Western blots*

*Immunoblotting*

*Solid phase assays*

*Amino acid or protein analyses*



## Flexibility for OEM Requirements

Magna PVDF membrane is available in rolls up to 30 cm (12 inches) wide, as well as sheets and cut discs that can be customized to meet your application and size requirements. Because the Magna PVDF membrane is manufactured on-site in Osmonics facilities, all customization is easy and cost-effective.

## Product Characteristics

Thickness .....140 – 250 µm  
Protein Binding .....125 µg/cm<sup>2</sup> for Immunoglobulins  
Pore Size Range .....0.2 and 0.45 µm

For more information about this product please visit the “Shop for OEM Products” section online at [www.osmolabstore.com](http://www.osmolabstore.com) or email us at [oemmembranes@osmonics.com](mailto:oemmembranes@osmonics.com).

For technical support, pricing and availability please contact the Osmonics Lab Store Help Desk

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### For More Information:

Call **Osmonics Filtration and Separations Group** at **(952) 933-2277** or **(800) 848-1750**, or visit [www.osmonics.com](http://www.osmonics.com)



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