

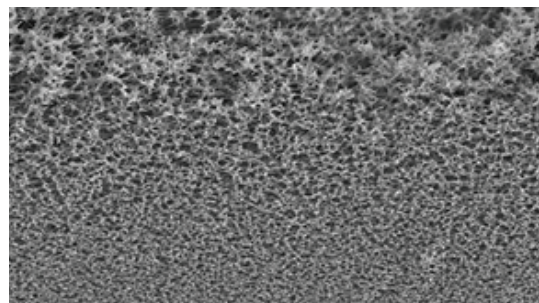


## General Description

**Ultraflon M12** is a hydrophilic PES (polyethersulfone) membrane specially designed for fluid clarification and purification.

**Ultraflon M12** is used in many industrial applications where consistency and purity are paramount. Applications like pharmaceutical, bioreagents, protein expression, and beverage/food. **Ultraflon M12** attributes are:

- High hydrophilicity
- Good flow rate with maximum retention
- Low protein binding
- Low molecular interference
- Great chemical compatibility
- Low CVs on flow rates



SEM (Scanning Electron Microscope) view of an Ultraflon M12 membrane.

## Applications

- Chemical concentration
- Water purification
- Desalting
- Protein expression
- Monoclonal antibodies

## Membrane Formats

- Sheet
- Disc
- Custom converting

## Pore Sizes for Molecular Weight Cutoff

- 3, 5, 10, 30, 50, 100, or 300 KDa

## About TriStar EMD

Our **Enhanced Materials Division (EMD)** positions TriStar Plastics as the best resource to solve your demanding engineering challenges. From expert material selection guidance to material enhancements that improve and extend the performance of existing polymers and elastomers, we can help you find the best, most cost-effective way forward. [Learn more.](#)



We're ready to put our engineering expertise to work for you  
from prototype to production.

Engineering | Custom Fabrication | Manufacturing



### CJ Composite

- Self-Lubricating
- Low weight | High Strength
- Chemical Resistance
- Direct replacement for Bronze



### Ultracomp®

- Self-Lubricating
- High Load | Low Speed
- High Compressive Strength
- Vibration & Impact Resistance



### TriSteel™

- Self-Lubricating
- High Load | High Speed
- Metal Backed Bearing System
- 100% Lead Free



### Rulon®

- Self-Lubricating
- Low weight | High Strength
- Low Coefficient of Friction
- Chemically Resistant



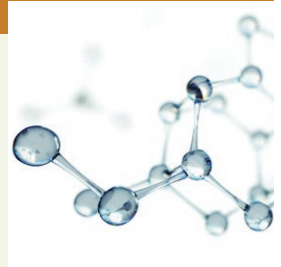
### Meldin®

- High Performance Materials
- High Temp Dimensional Stability
- Chemical Resistance
- Withstands Thermal Shocks



### Enhanced Materials

- Plasma Surface Treatment
- Filtration Membranes
- Specialized Primers & Coatings
- Material ID & Selection



TriStar



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