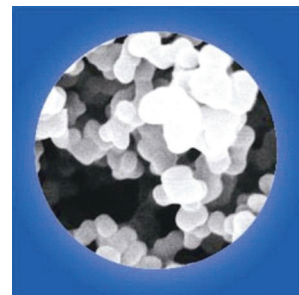


## Microporous Membrane Filter

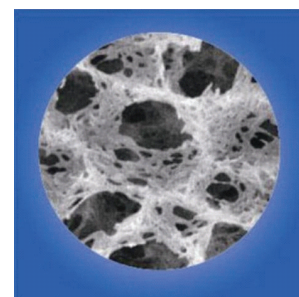
### ● PES Membrane

Polyesterulfone (PES) membrane for aqueous solutions provides removal of fine particles, bacteria, viruses and fungi making it is versatile membrane for application such as sample preparation, sterile filtration and infusion therapy. PES is an inherently hydrophilic membrane that wets out quickly and completely resulting in fast filtration with superior flow rates and high throughputs. The hydrophilic nature of PES means no added surfactants are used to increase wettability. PES membrane is also extremely low protein binding minimizing the likelihood of target analyte binding. PES membrane is compatible with EtO, gamma irradiation and autoclave methods of sterilization.



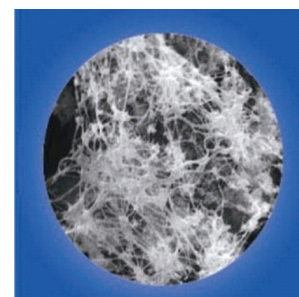
### ● Nylon 66

Nylon66 membranes are for liquid filtration applications such as sample preparation, lysate clearing, and infusion therapy. Our portfolio of hydrophilic nylon membranes includes uncharged, charged and hydroxylated surface treatments for optimal performance depending on the application.



### ● PTFE Membrane

PTFE membranes are hydrophobic in nature and are effective barriers to microbes and particulate matter. The high titer reduction and water intrusion pressure allow the membrane to repel high surface tension liquids while venting gases. PTFE membranes are used in a variety of healthcare applications such as vents on IV filters and spike vents, protecting equipment and sensors from fluids and contamination, and substrates for tissue growth and implants. Material characteristics include broad chemical compatibility, excellent particle retention, easy handling and sealing, and compatibility with various sterilizing methods, making it a versatile material for applications which require a hydrophobic barrier. Whether you need to keep fluid confined while letting air or gas pass, a breathable particle, or a sterile barrier, PTFE is the ideal membrane. Excellent lot-to-lot consistency ensures product performance meets critical application requirements. Our PTFE membrane has one of the best ratios of airflow to particle retention available on the market.



**Specification of Membrane Filter**

| Model    | Diameter (mm) | Pore Size (µm) | Membrane Material | Model    | Diameter (mm) | Pore Size (µm) | Membrane Material |
|----------|---------------|----------------|-------------------|----------|---------------|----------------|-------------------|
| ST-NMF21 | 50            | 0.45           | PES               | ST-NMF34 | 47            | 0.22           | PES               |
| ST-NMF22 | 50            | 0.22           | PES               | ST-NMF35 | 47            | 0.45           | Nylon 66          |
| ST-NMF23 | 50            | 0.45           | Nylon 66          | ST-NMF36 | 47            | 0.22           | Nylon 66          |
| ST-NMF24 | 50            | 0.22           | Nylon 66          | ST-NMF37 | 47            | 0.45           | MCE               |
| ST-NMF25 | 50            | 0.45           | MCE               | ST-NMF38 | 47            | 0.22           | MCE               |
| ST-NMF26 | 50            | 0.22           | MCE               | ST-NMF39 | 47            | 0.45           | PTFE              |
| ST-NMF27 | 50            | 0.45           | PTFE              | ST-NMF40 | 47            | 0.22           | PTFE              |
| ST-NMF28 | 50            | 0.22           | PTFE              | ST-NMF41 | 47            | 0.45           | Nylon 6           |
| ST-NMF29 | 50            | 0.45           | Nylon 6           | ST-NMF42 | 47            | 0.22           | Nylon 6           |
| ST-NMF30 | 50            | 0.22           | Nylon 6           | ST-NMF43 | 47            | 0.45           | MCE               |
| ST-NMF31 | 50            | 0.45           | MCE               | ST-NMF44 | 47            | 0.22           | MCE               |
| ST-NMF32 | 50            | 0.22           | MCE               | ST-NMF45 | 47            | 0.45           | MCE (Sterile)     |
| ST-NMF33 | 47            | 0.45           | PES               | ST-NMF46 | 47            | 0.22           | MCE (Sterile)     |