

## Filtration Medium Property Comparison

Filtration Medium	Sample Application	Hydrophilic or Hydrophobic
<b>MCE</b>	<ol style="list-style-type: none"> <li>1) Gas particulate and bacteria filtration</li> <li>2) Oil particulate and bacteria filtration</li> <li>3) Alcohol particulate and bacteria filtration</li> <li>4) Other solvent particulate and bacteria filtration</li> </ol>	Hydrophilic
<b>CA</b>	<ol style="list-style-type: none"> <li>1) Aqueous protein solutions as low protein binding</li> <li>2) Groundwater filtration as Nitrate-free</li> </ol>	Hydrophilic
<b>Nylon</b>	<ol style="list-style-type: none"> <li>1) Electric semiconductor industrial water filtration</li> <li>2) Chemicals filtration</li> <li>3) Beverage filtration</li> </ol>	Hydrophilic
<b>PES</b>	<ol style="list-style-type: none"> <li>1) Sterile filtering protein solution</li> <li>2) Tissue culture media filtration</li> <li>3) Tissue culture additive filtration</li> </ol>	Hydrophilic
<b>PVDF</b>	<ol style="list-style-type: none"> <li>1) Gas filtration</li> <li>2) Vapor filtration</li> <li>3) High-temperature filtration</li> <li>4) Food industry</li> <li>5) Medicine filtration</li> </ol>	Hydrophobic
<b>PTFE-B</b>	<ol style="list-style-type: none"> <li>1) Organic solvent with strong chemical causticity filtration</li> <li>2) strong acid solvent filtration</li> <li>3) Alkali solvent filtration</li> </ol>	Hydrophobic
<b>PTFE-L</b>	<ol style="list-style-type: none"> <li>1) Inorganic solvent with strong chemical causticity filtration</li> <li>2) Mixed solvent filtration in HPLC(Acetonitrile/Water)</li> <li>3) Alkali solvent filtration</li> </ol>	Hydrophilic

# Membrane Filter Quick Pick Reference Chart

