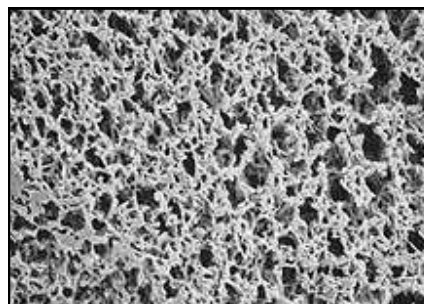


Nylon Membranes

Nylon membrane filters are fast becoming the "standard" filter material due to their wide chemical compatibility range and naturally hydrophilic characteristics. Nylon filters can be used to filter all aqueous and the majority of solvent solutions. Since Nylon filters are naturally hydrophilic, wetting agents are not used during manufacturing, resulting in a very low level of extractables. Through gravimetric analysis, it has been found that Nylon filters have an extractable level of less than 0.0015 mg/cm² making them ideally suited for HPLC solvent filtration, HPLC sample preparation, mobile-phase filtration and critical aqueous applications. The flow rates of nylon membrane filters are approximately equal to those of standard cellulosic membranes. They have a high nucleic acid binding capacity of 350 µg/cm² and Bovine Serum Albumin (BSA) protein binding of 120 µg/cm² compared to 80-100 µg/cm² for most cellulosic membranes under the same BSA binding conditions.



Features	Typical Applications
<ul style="list-style-type: none"> Naturally hydrophilic Wide chemical compatibility range Strength and dimensional stability Extremely low extractables 	<ul style="list-style-type: none"> Sterilization, clarification of aqueous and organic solvent solutions HPLC sample preparation

Specifications	
Sterilization	Gamma Irradiation or Ethylene Oxide (EtO)
USP Class VI Testing	Passed
Thickness	65 - 125 µm
Extractables	<0.2% (<0.0015 mg/cm ²)
BSA Protein Binding	Approx. 120 µg/cm ²
Maximum Operating Temperature	180° C (356° F)
Sealing Compatibility	Ultrasonic, Heat, Radio Frequency and Insert Molding
Pore Size Range	0.1 to 20 µm

Ordering Information	
Description	Part Number
13mm 0.02µm Nylon Filter Membrane. 100 Pack	NY0213
13mm 0.45µm Nylon Filter Membrane. 100 Pack	NY4513
25mm 0.02µm Nylon Filter Membrane. 100 Pack	NY0225
25mm 0.45µm Nylon Filter Membrane. 100 Pack	NY4525
47mm 0.02µm Nylon Filter Membrane. 100 Pack	NY0247
47mm 0.45µm Nylon Filter Membrane. 100 Pack	NY4547
90mm 0.02µm Nylon Filter Membrane. 25 Pack	NY0290
90mm 0.45µm Nylon Filter Membrane. 25 Pack	NY4590
142mm 0.02µm Nylon Filter Membrane. 25 Pack	NY02142
142mm 0.45µm Nylon Filter Membrane. 25 Pack	NY45142

