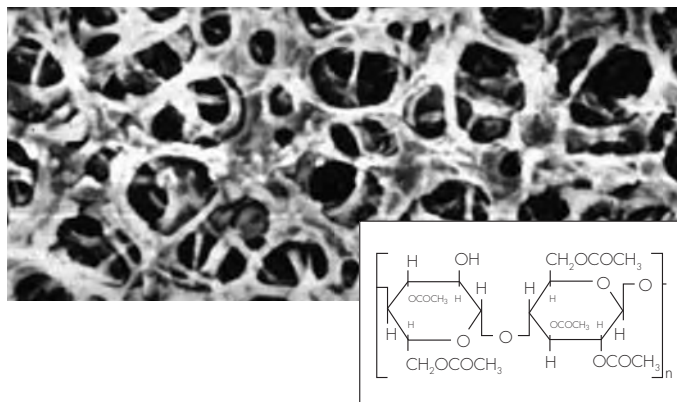


## 3.2 Cellulose Acetate Membranes

### Type 11104, 0.8 µm



#### Description

Cellulose acetate membranes combine high flow rates and thermal stability with very low adsorption characteristics. The 0.8 µm membrane is used for the particle filtration in samples where a low adsorption is required. The membrane is excellently suited for use in pressure filtration devices.

#### Color

White

#### Material

Cellulose acetate

#### Reaction to Water

Hydrophilic

#### Pore Size (Nominal)

0.8 µm

#### Structure

Symmetric

#### Applications and Features

##### Typical Applications

Particle reduction of liquid samples where no non-specific adsorption can be tolerated. Prefiltration of water with a high particle load, of media and similar samples.

##### Special Features

- Very low non-specific adsorption
- Excellent thermal resistance

##### Technical Advantages

- Minimum loss of proteins, preservatives etc.
- Autoclavable at 121°C or 134°C
- Dry heat sterilization possible
- Reliable sterile filtration

#### Typical Performance

##### Adsorption, Non-specific

Bovine serum albumin  
< 10 µg/cm<sup>2</sup>

##### Bubble Point with Water (DIN 58355)

1.0 bar | ~ 14 psi

##### Burst Pressure

0.3 bar | ~ 4.4 psi

##### Chemical Compatibility

Compatible with aqueous solutions (pH 4–8), oils, alcohols and several other organic solvents

##### Extractables with Water

< 1%

##### Flow Rate for Air [L/m<sup>2</sup>/s 200 Pa] according to\*

5.3

corresponding water flow rate: approx.  
200 ml/min at Δp = 1 bar | ~14.5 psi

##### Sterilization Methods

Autoclaving at 121°C or 134°C, dry-heat sterilization at 160°C, ETO sterilization, γ-irradiation (25 kGy)

##### Thermal Resistance

180°C max.

##### Thickness (DIN 53105)

Approx. 120 µm

#### Order Numbers

13 mm diameter:

11104-013N, pack of 100

25 mm diameter:

11104-025N, pack of 100

47 mm diameter:

11104-047N, pack of 100

50 mm diameter:

11104-050N, pack of 100

142 mm diameter:

11104-142G, pack of 25

11104-142N, pack of 100

293 mm diameter:

11104-293G, pack of 25

11104-293N, pack of 100

\* ASTM D737  
DIN 53'887  
ISO 9'237