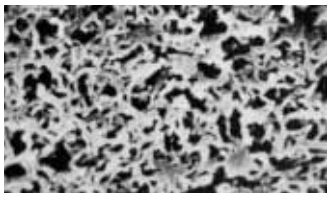
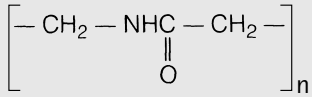
Polyamide Membrane Filters, Type 250, for the Filtration of Alkaline Solutions and Organic Solvents





Polyamide membrane filters are hydrophilic and chemically resistant to alkaline solutions and organic solvents. They are therefore recommended for particle-removing filtration of water, aqueous solutions and solvents for analytical determination such as HPLC, as well as for the sterile filtration of these liquids.

They are also highly recommended for the isolation of Legionella.

Their relatively high non-specific adsorption, which can cause loss of important substances, e.g. from tissue culture solutions, limit their application. For these kind of solutions, the low adsorption cellulose acetate membrane filters, type 111, described on page 14, are preferred.

Typical perfomance for polyamide membrane filters

Adsorption	100 µg/cm² for bovine serum albumin (0.2 µm pore size)
Bubble point acc. DIN 58355	Minimum value for 0.2 µm = 3.4 bar (340 kPa, 49.3 psi), for 0.45 µm = 2.2 bar (220 kPa, 33.35 psi).
Chemical compatibility	Resistant to many solvents and alkali-solutions, pH range 3-14.
Extractables with water	Less than 1%
Flow rate for water acc. DIN 58355	Average value per cm² area at Δp = 1 bar (100 kPa, 14.5 psi): >12 ml/min for 0.2 µm, >26 ml/min for 0.45 µm pore size
Material	Polyamide
Sterilization	By autoclaving at 121°C or 134°C or with ethylene oxide.
Sterilizing filtration	Filters with 0.2 µm pore size are validated by the Bacteria Challenge Test.
Thickness acc. DIN 53105	Average value 115 µm

Order numbers for polyamide membrane filters, type 250

13 mm diameters	25006-013 N 25007-013 N	0.45 µm, pack of 100 0.2 µm, pack of 100
25 mm diameter	25006-025 N 25007-025 N	0.45 µm, pack of 100 0.2 µm, pack of 100
47 mm diameter	25006-047 N 25007-047 N	0.45 µm, pack of 100 0.2 µm, pack of 100
50 mm diameter	25006-050 N 25007-050 N	0.45 µm, pack of 100 0.2 µm, pack of 100
90 mm diameter	25006-090 G 25007-090 G	0.45 µm, pack of 25 0.2 µm, pack of 25
142 mm diameter	25006-142 N 25007-142 N	0.45 µm, pack of 100 0.2 µm, pack of 100
293 mm diameter	25006-293 N 25007-293 N	0.45 µm, pack of 100 0.2 µm, pack of 100