

## Description

### Contrasting Membrane for Microbiological Analysis

- Dark background provides excellent contrast for counting opaque colonies in microbiology labs
- Exclusive dot grid pattern does not enhance or inhibit colony growth
- Certified for use in the Membrane Filter (MF) Technique as described in Standard Methods for the Examination of Water and Wastewater, current edition
- Sharp contrast between black membrane and white grid line provides guidance while viewing and counting
- Available non-sterile or in individual gamma-irradiated packs (S-packs) for critical applications

## Applications

- Excellent membrane for the isolation and enumeration of yeast and mold colonies
- Spoilage organism monitoring and identification in food and beverage quality control laboratories

## Specifications

### Materials of Construction

#### Filter medium

Hydrophilic modified polyethersulfone, black

#### Pore Size

0.45 and 0.8  $\mu\text{m}$

#### Diameter

47 mm

#### Typical Thickness

0.45  $\mu\text{m}$ : 130  $\mu\text{m}$  (5.1 mils)

0.8  $\mu\text{m}$ : 147  $\mu\text{m}$  (5.8 mils)

#### Typical Water Flow Rate

mL/min/cm<sup>2</sup> at 0.7 bar (70 kPa, 10 psi)

0.45  $\mu\text{m}$ : > 34.5

0.8  $\mu\text{m}$ : > 102.8



### Minimum Bubble Point – Water

0.45  $\mu\text{m}$ : 1.6 bar (160 kPa, 23.5 psi)

0.8  $\mu\text{m}$ : 1.0 bar (100 kPa, 15 psi)

### Gamma-Irradiated

Provided gamma-irradiated or nonsterile

Validated dose up to 30 kGy

Autoclavable if desired at 121 - 123 °C (250 - 253 °F)

at 1.0 bar (100 kPa, 15 psi) for 15 - 20 min.

### Wet Time

≤ 5 seconds

### Biological Tests Growth Promotion

The membranes demonstrate typical recovery of the target microorganisms listed below as directed per ISO 7704 and Standard Methods for Examination of Water and Wastewater

≥ 85% batch average of *S. cerevisiae* ATCC 4117 on mGreen Y&M microbiology media (bacterial recovery)

## Certifications

### Regulatory Qualifications

QA lot release criteria are monitored for compliance to ISO 7704 and Standard Methods for Examination of Water and Wastewater.

These products are manufactured in a Pall facility under a Quality Management System and Environmental Management program approved by an accredited registering body to ISO 9001 and ISO 14001, respectively.

### Irradiation Details

Our membranes are provided non-sterile or gamma irradiated with a maximum dosage of 30 kGy. A Quarterly Dose Audit on the membrane product family is conducted to demonstrate continued effectiveness of the dose deliverance as required in ANSI/AAMI/ISO 11137-2.

Non-sterile membranes can be autoclaved at 121-123 °C (250-153 °F) at 1.0 bar (100 kPa, 15 psi) for 15-20 minutes.

## Ordering Information

Part Number	Description	Pkg
60138	0.45 µm, 25 mm, grid	100/pkg
60065	0.8 µm, 25 mm, grid	100/pkg
66585	0.45 µm, 47 mm, grid, S-pack, sterile	200/pkg
66586	0.45 µm, 47 mm, grid	100/pkg
66587	0.8 µm, 47 mm, grid, S-pack, sterile	200/pkg
66588	0.8 µm, 47 mm, grid	100/pkg
68124	0.45 µm, 47 mm grid, dispenser pack, gamma irradiated	1000/pkg, 200/bx
68125	0.8 µm, 47 mm, grid, dispenser pack, gamma irradiated	1000/pkg, 200/box

## Related Products

- Absorbent Pad Kit
- 47 mm Magnetic Filter Funnels
- Ampoule Media for Microbiological Analysis



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