

PEARL FILTRATION

WASHABLE PRE-FILTER MEDIA G SERIES



Description

Pearl Filtration G Series Filter Media is a 100 % polyester material designed to reduce airborne contaminants in air conditioning, air sanitisation, ventilation, and exhaust systems.

| Thermal-Bond Media | Available Colours | Loft (mm) | Width (m) | Length (m) |
|--------------------|-------------------|-----------|-----------|------------|
| G2 | White/Grey | 10 | 2.1 | 40 |
| G3 | White | 20 | 2.1 | 25 |
| G4 | White | 20 | 2.1 | 25 |

Application

Pearl Filtration G Series Filter Media is suitable for most non-critical or pre-filter applications to protect the secondary filter. Typical applications include domestic/commercial filtration, and filtering various dusts, fibres, mould, and pollen.

Pearl Filtration G Series Filter Media is used to manufacture multiple Pearl Filtration products, including; Flat Panel Filters, Pleated Panel Filters, and Return Air Grilles.

Fire Hazard Test Results

Pearl Filtration G Series Filter Media is a self-extinguishing product conforming to the Building Code of Australia as tested to AS1530 Part 3. Typical results as follows:

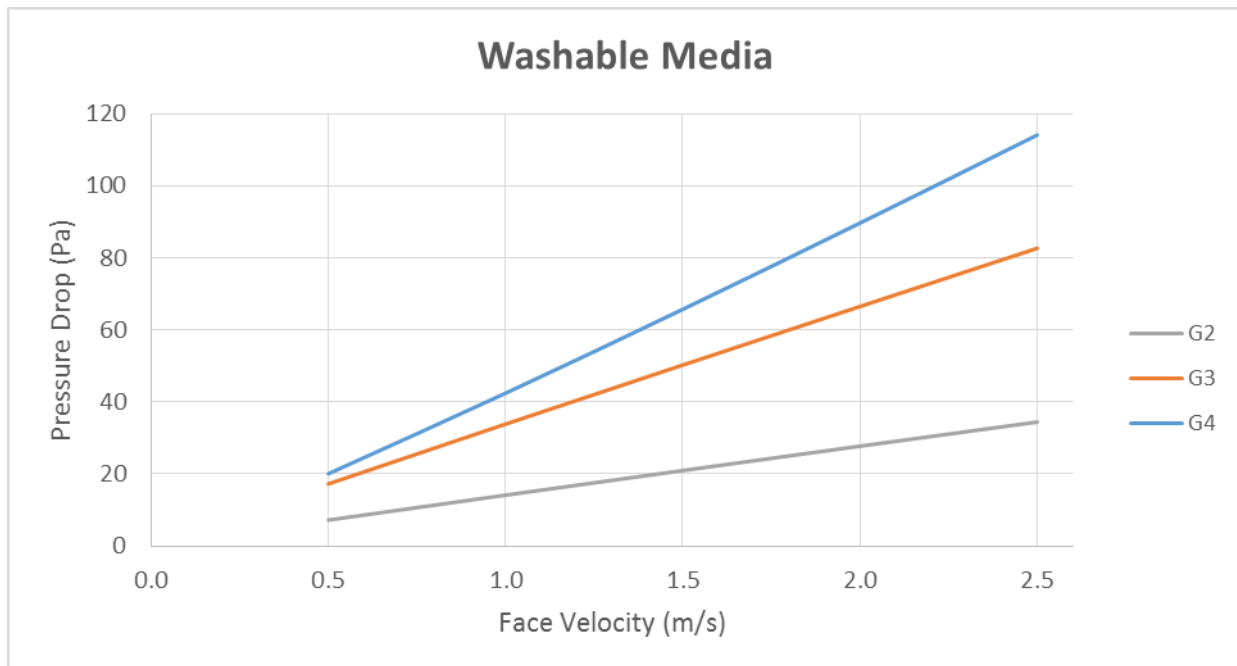
| | |
|------------------------------|---|
| Ignitability Index (0-20) | 0 |
| Heat Evolved Index (0-10) | 0 |
| Spread of Flame Index (0-10) | 0 |
| Smoke Developed Index (0-10) | 3 |

The maximum temperature limit on Pearl Filtration G Series Filter Media is 135 °C.

Specifications

All specifications within this document are achieved using a flat panel configuration of media.

| Thermal Bond Media | Loft (mm) | Rated Velocity (m/s) | Initial Pressure Drop (Pa) | Max. Recommended Final Pressure Drop (Pa) | Average Arrestance (No. 4 Dust Test) |
|--------------------|-----------|----------------------|----------------------------|---|--------------------------------------|
| G2 | 10 | 1.8 | 25 | 125 | 65 – 80 % |
| G3 | 20 | 1.8 | 60 | 250 | 80 – 90 % |
| G4 | 20 | 1.8 | 80 | 250 | > 90 % |



Data based on clean air flow at 25°C. This graph should be used for guidance only and its accuracy is dependent on the application. The final suitability of the filter is the sole responsibility of the user(s).

Maintenance

Media can be washed but the efficiency may not remain the same.

There are no known hazards relating to the use or handling of Pearl Filtration G Series Filter Media. No protective clothing or gloves are required when handling or installing G Series Media. There is no dust content in the products and any free fibres which may be present are not of respirable size.

General Information

Pearl Filtration G Series Filter Media is manufactured in Australia in accordance with AS1324.2 and ASHRAE 52.2. Different configurations and filter to air ratios can alter filter media performance rating significantly. Pearl Filtration retains the right to alter products and specifications without prior notice. Loft may vary up to $\pm 30\%$. Product tolerance $\pm 10\%$ for all other specifications.

Claim

To our best knowledge at present time, information contained herein is accurate. We do not assume any liability whatsoever for the accuracy and completeness of the information contained here within. Therefore final determination of suitability of any material is the sole responsibility of the user(s). Recipients of our products must take necessary measures and responsibilities in order to comply with related local government regulations and laws.