



DATA SHEET – POLYMAX FILTER MEDIA

Polymax Filter Media is manufactured from the finest quality bonded polyester fibres.

Each Martini Filter Media product has its own unique blend of premium polyester fibre, which has been specifically engineered to deliver exceptional performance and quality.

Applications

Polymax Filter Media is manufactured to suit a wide range of air filtration applications – from flat panels to multi-pocket bags. Each media has been designed to meet specific performance criteria and service life in a variety of filter configurations.

The MFM G4 and MFM F5 products have undergone rigorous testing and have accreditation in accordance to ASHREA 52.2, issued by RTI International – USA.

Environmental benefits

Polymax Filter Media is manufactured from thermally bonded polyester fibre with a minimum of 80% recycled fibre content from post-consumer PET packaging such as empty drink bottles. The product is 100% recyclable and has very high reuse potential as insulation.

- No chemicals or phenol formaldehyde resin binders are used in manufacture.
- Odourless and contains no harmful volatile organic compounds (VOC).
- No waste is generated in manufacture.
- No water or ozone-depleting gases are used in manufacture.
- No chlorides are present in the product.
- Martini's product stewardship programme can be viewed at www.polymaxinsulation.com.au

Application guidelines

F5	G4	G3	MFM – FP200
Superior Media for better residential, commercial buildings & some laboratories etc.	Top grade media for commercial buildings, better residential, industrial workplaces, paint booth inlet air etc.	Medium grade for use in general air-conditioning, ventilation & pre-filter applications.	Designed for use in pleated filters or replace cotton media in some old-style filters.



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Physical properties and description

Melting Point:	Not applicable									
Vapour Pressure:	Not applicable									
Volatiles:	Nil (VOC) volatile organic components									
Ozone-Depleting Potential:	Nil ozone-depleting materials used in manufacture									
Specific Gravity:	1.38									
Flash Point:	None allocated									
Other Properties:	Non-allergenic, low irritant, low flame response, resilient									
Ingredients:	Organic, long chain synthetic polymer									
Max Service Temp:	150°C									
Alkalinity:	pH 7.8 (pH 7 is neutral)									
Moisture Absorption:	Exposure to an atmosphere of 50°C & 95% RH for four days gives moisture absorption of less than 0.2% by volume.									
Fire Resistance	The following results were obtained when Martini Industries Polymax was subjected to early fire hazard testing in accordance with Australian Standards AS 1530.3.	<table border="0"> <tr> <td>Ignitability</td> <td>0</td> </tr> <tr> <td>Spread of Flame</td> <td>0</td> </tr> <tr> <td>Heat Evolved</td> <td>0</td> </tr> <tr> <td>Smoke Developed</td> <td>0-1</td> </tr> </table>	Ignitability	0	Spread of Flame	0	Heat Evolved	0	Smoke Developed	0-1
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Spread of Flame	0									
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Smoke Developed	0-1									

Pack specifications

Item	Colour	Width mm	Length m	Loft mm	Washability	Branded	Rating
MFM F5	White	2100	20	15 – 18	Disposable	Yes	F5
MFM 102-G4	White	2100	20	15 – 18	Disposable	Yes	G4
MFM 103	Grey	2100	40	15 – 18	Washable	No	G3
MFM 107	White	2200	30	15 – 18	Disposable	No	N/A
MFM 109	Blue	2100	20	18 – 20	Washable	Yes	G3
WG250	White	2200	25	15 – 18	Disposable	No	N/A
MFM W	White	2100	20	18 – 20	Washable	Yes	N/A
MFM PF200	White	Made to order	Made to order	3 – 4	Disposable	No	N/A

Disclaimer: The information in this brochure is believed to be true at the time of publication. Martini Industries Pty Ltd reserves the right to change specifications without notice, and have no obligation or liability for persons misrepresenting or misusing this information in any manner whatsoever.

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