



DATA SHEET – POLYMAX THERMAFLEX

Polymax Thermaflex is a lightweight thermal insulation specifically manufactured for use in flexible air-conditioning ducts. Material R-Values quoted comply with AS 4859.1 and meet the requirements of the Building Code of Australia (BCA) 2010 Section J.

Applications

Polymax Thermaflex insulation is designed to be fitted between inner and outer sleeve of the duct. Commonly used in domestic, commercial, community buildings, multi-residential apartments and other applications where delivery of conditioned air is required.

For rigid HVAC duct insulation please refer to the data sheet for **Polymax HVAC**.

Environmental benefits

Polymax Thermaflex 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





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Physical properties and description

Volatiles:	Nil		
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. Polymax meets all requirements of the BCA for all insulation applications	Ignitability	0
		Spread of Flame	0
		Heat Evolved	0
		Smoke Developed	0-1

Pack specifications

Material R-Value	Thickness mm	Standard Length m	Width cm	Rolls per pack
R 1.0	70	15	50–185*	1–3*
R 1.2	80	15	50–185*	1–3*
R 1.5	90	15	50–185*	1–3*

*Product widths and pack quantities are manufactured to suit the duct manufacturer's individual requirements. Minimum order quantities may apply for some sizes. Please contact Martini Industries Pty Ltd for details.

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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