

FINEFLEX BIO™ Paper

FINEFLEX BIO™ Paper A is comprised of FINEFLEX BIO™ Bulk to which organic binder has been added, while FINEFLEX BIO™ Paper R and M are comprised of FINEFLEX BIO™ Bulk and amorphous inorganic fiber to which organic binder has been added, each type being made into paper form by a paper making machine.

Features

- **FINEFLEX BIO™ Paper A**
A general-purpose product that can withstand high temperatures
- **FINEFLEX BIO™ Paper R**
A product that has excellent tensile strength, flexibility, and cushioning
- **FINEFLEX BIO™ Paper M**
A product that emits few odors during baking

Applications

- General-purpose insulating material
- Lining material and backup material for insulating ceilings and walls of kilns
- Expansion joint filling material for interior parts of kilns
- Insulating material for gas powered hot water heaters
- Insulating material for combustion equipment

Quality Characteristics

Item	TOMBO™ No.		
	5635-A	5635-R	5635-M
Features	High heat-resistance type	Excellent flexibility	Low odor type
Color	White	White – light brown	
Density (kg/m ³)	250		240
Max. heatproof temp. (°C)	1300	800	1000
Tensile strength (N/25mm)	1.0mm:23 2.0mm:39 3.0mm:58 4.0mm:78	1.0mm: 34 2.0mm: 66 3.0mm:100 4.0mm:135	1.0mm:17 2.0mm:37 3.0mm:49 4.0mm:74
Ignition loss (%) (600°C × 0.5hr)	4	7	2

* The above figures are actual measurements made by Nichias and not standard values.
* Binders may dissipate after heating, reducing the shape retention of the product.



Standard Dimensions

Thickness (mm)	Width × length (mm)
1.0	600 × 1200
2.0	
3.0	
4.0	

* Please contact us for inquiries about other sizes.

* TOMBO is a registered trademarks or trademarks of NICHIAS Corporation.
* Names with a TM symbol are trademarks of NICHIAS Corporation.

⚠ Cautions

- The products included in this catalog are intended for common use, including those presented in the catalog. If you intend to use any of the products in a way that requires extremely high quality and reliability such that any possible defect may directly affect the safety of human lives, please make sure to consult with our company in advance and take necessary measures at your responsibility.
- Because the stated material values may vary according to actual usage environments or circumstances, please consider such figures as indications for reference.
- The content of the catalog explains the features of the products when they are used alone. When actually using the products, please start using them after testing them under the actual usage environment.
- The content of the explanation of the products may be modified without any advance notice, and the production of the product may also be discontinued without advance notice. Please obtain the latest version of the catalog, and confirm the content thereof. The date of issuance of this catalog is printed in the upper left corner of this page.
- The standards, accreditation and provisions of laws included in the catalog may not conform with the latest version thereof.
- We strictly prohibit any acts of infringement upon our rights that are protected by the Copyright Act with regard to information included in the catalog, through the production of copies or imitations, misappropriation or unauthorized reprinting.
- Please be informed that, in the case where any problem involving a third party's industrial property right arises due to the use of any product included in the catalog, our company shall not be responsible for any problems other than the problems arising strictly due to reasons related to only such products.
- Please be aware that our company will not bear any responsibility for the following damage related to our products:
 - Damage arising due to natural disasters or accidents occurring for reasons that are not attributable to our company;
 - Damage arising due to remodeling, repairing or other acts by a third party;
 - Damage arising due to the willful intent or negligence of the customer or the user, or due to the improper use or use under abnormal conditions of the products;
 - Damage arising due to the failure to carry out regular checkups and appropriate repairs, maintenance and part replacements, considering various conditions, such as the usage conditions, usage environment and usage period, etc., of the product;
 - Indirect damage (including any operational damage, lost profits, opportunity losses, etc.) arising due to the use of or inability to use our company's product;
 - Damage arising due to a situation which was unforeseeable under the technical standards at the time of the shipment of our company's product; or
 - Damage arising due to reasons that are not attributable to our company.



NICHIAS Corporation

<https://www.nichias.co.jp/>

International Marketing and Sales Group
6-1, Hatchobori 1-chome, Chuo-ku, Tokyo 104-8555, Japan
Phone: 81-3-4413-1132