

Bamboo-Wood Fiber (Fire Performance)

English Reference Translation

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Prepared: 15 October 2026

Test Report

Report No.: NFM-FRL250499-01

Field	Information
Sample	Bamboo-wood fiber
Client	Hubei Kaijie New Environmental Protection Materials Co., Ltd.
Testing address	Building A5, No. 388 Fengyong Road, Fengxian District, Shanghai
Test category	Commissioned testing
Publication / issue date	2025-10-17
Prepared / tested by	Ou Ming
Reviewed by	Cai Ming
Approved by	Wei Jianguo
Issuing organization	NOA Inspection and Certification Group Co., Ltd.
Accreditation marks	CMA 230920341434; CNAS L11261

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Sample and Customer Information

The following customer and sample information was supplied and confirmed by the client.

Field	Information
Sample	Bamboo-wood fiber
Sample No.	NFM-FRL250499-01
Manufacturer / description / model / batch	/ or blank as shown in the source
Quantity	6 pieces
Received	2025-09-27
Sample receipt condition	No abnormal appearance
Tests	See results page
Test period	2025-10-15 to 2025-10-17

GB 8624-2012, Classification for burning behavior of building materials and products; GB/T 20284-2006, Single burning item test for building materials or products; GB/T 8626-2007, Test method of flammability for building materials.

The product's reaction to fire meets Class B1(C), with supplementary classification s2,d0. Under GB 8624-2012, its reaction to fire reaches Class B1.

Customer: Hubei Kaijie New Environmental Protection Materials Co., Ltd.. Address: Park Road 2, Economic Development Zone, Yuyue Town, Jiayu County, Xianning City, Hubei Province, China.

Symbol / indicates not applicable. Remarks: Bamboo-wood fiber: Jingang wood decorative panels, water-based bamboo-scented wood decorative panels, bamboo-scented impact-resistant panels, wood decorative wall panels, carbon crystal panels, grilles, Great Wall panels, acoustic panels, ceilings and square timber.

Reaction-to-Fire Results

Item	Requirement	Result	Assessment	Method
FIGRA0.4MJ (W/s)	<=250	229	Conforms	GB/T 20284-2006
Lateral flame spread LFS	Below long-wing edge	Below long-wing edge	Conforms	GB/T 20284-2006
THR600s (MJ)	<=15	12.2	Conforms	GB/T 20284-2006
SMOGRA (m2/s2)	<=180	37	Conforms to s2	GB/T 20284-2006
TSP600s (m2)	<=200	105	Conforms to s2	GB/T 20284-2006
Flaming droplets / particles within 600 s	None	None	Conforms to d0	GB/T 20284-2006
Ignitability: flame-tip height within 60 s; ignition 30 s (mm)	<=150	<150	Conforms	GB/T 8626-2007
Flaming droplets igniting filter paper within 60 s	None	None	Conforms	GB/T 8626-2007

The results relate only to specimen performance under the specified test conditions and must not be used as the sole basis for assessing potential fire hazards in actual use.

For the single burning item test, the base was a calcium silicate board of density approximately 900 kg/m³ and thickness approximately 9 mm. The sample was tested in a self-standing, self-supporting configuration without joints.

Sample receipt: sent by the client.

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End of report.

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检测报告

样品名称: 竹木纤维
客户名称: 湖北开杰新型环保材料有限公司
检测地址: 上海市奉贤区奉永路 388 号 A5 栋
检测类别: 委托检测
发布日期: 2025-10-17



检测人:



(欧明)

审核人:



(蔡明)

批准人:



(魏建国)

签发日期:

2025-10-17

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检测报告

以下客户及样品信息由客户提供并确认：

样品名称	竹木纤维	样品编号	NFM-FRL250499-01
生产单位	/	样品描述	/
型号规格	/	批号	/
样品数量	6块	到样日期	2025-09-27
样品接收方式	客户寄样		
样品接收状态说明	外观无异常		
检测项目	详见结果页		
检测依据和综合判定原则	GB 8624-2012《建筑材料及制品燃烧性能分级》 GB/T 20284-2006《建筑材料或制品的单体燃烧试验》 GB/T 8626-2007《建筑材料可燃性试验方法》		
检测周期	2025-10-15 至 2025-10-17		
检测结论	经检测，该制品燃烧性能符合 GB 8624 B₁ (C) 级的规定要求，附加分级符合 s2, d0 级的规定要求。 按GB 8624-2012 判定，该制品燃烧性能达到B₁ (C-s2, d0) 级。  检测机构 (盖章)		
客户信息	名称	湖北开杰新型环保材料有限公司	
	地址	湖北省咸宁市嘉鱼县鱼岳镇经济开发区园区二路	
备注	样品名称：竹木纤维（金刚木木饰面、水性木饰面、竹香木木饰面、碳晶板、防撞板、护墙板、格栅、长城板、吸音板、天花、方木）		

符号说明：“/”表示不适用。

检测结果:

序号	检测项目		标准值	检测结果	检测方法	单项判定
1	单体燃烧试验	燃烧增长速率指数 FIGRA _{0.4MJ} , W/s	≤250	229	GB/T 20284-2006	符合
		火焰横向传播是否至长翼边缘, LFS	<试样边缘	<试样边缘		符合
		600s 内总热释放量 THR _{600s} , MJ	≤15	12.2		符合
2	产烟特性	烟气生成速率指数 SMOGRA, m ² /s ²	≤180	37	GB/T 20284-2006	符合 s2
		600s 内总产烟量 TSP _{600s} , m ²	≤200	105		符合 s2
3	燃烧滴落物/微粒	600s 内是否有燃烧滴落物/微粒	无	无	GB/T 20284-2006	符合 d0
4	可燃性	点火时间 30s, 60s 内 焰尖高度Fs, mm	≤150mm	<150	GB/T 8626-2007	符合
		60s 内有无燃烧滴落物引燃滤纸现象	无	无		符合

说明

1. 试验结果只与特定的试验条件下试样的性能有关；试验结果不能作为评估制品在实际使用条件下潜在火灾危险性的唯一依据。

2. 单体燃烧试验采用密度约 900kg/m³，厚度约 9mm 的硅酸钙板作为基材。样品采用自立自支撑方式试验，试验样品无接缝。

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