







Test Report Report No.: AJFS2305004175FF-03 Date: JUN.28, 2023 Page 1 of 6 SHANDONG INTCO RECYCLING RESOURCES CO., LTD.

NO.18 QINGTIAN ROAD, QILU CHEMICAL INDUSTRY PARK, LINZI, ZIBO, SHANDONG PROVINCE, CHINA

THE TEST REPORT IS TO SUPERSEDE THE TEST REPORT No.: AJFS2305004175FF-01, DATE: JUN.21, 2023.

Sample Description: 100% POLYESTER FIBER

SGS Ref No.: CZHL2306004270SD

The above sample(s) was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received.

Test Requested:

ASTM E84-2022 Standard Test Method for Surface Burning Characteristics of Building Materials.

Test Results: -- See attached sheet -

Test Period:

Sample Receiving Date : MAY 22, 2023

Test Performing Date : MAY 22, 2023 TO MAY 30, 2023

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch

Echo Li

Approved Signatory



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined rein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits advised that information of the secretary of the state of the secretary o

Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 830' 1443, or email: CN.Doccheck@sgs.com

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018826 www.sgsgroup.com.cn 中国・浙江・安吉县阳光工业园二区阳光大道301号 邮编:313300 t (86-572) 5018825 f (86-572) 5018829 e sgs.china@sgs.com



Test Report No.: AJFS2305004175FF-03 Date: JUN.28, 2023 Page 2 of 6

I. Test conducted

This test was conducted in accordance with ASTM E84-2022 Standard Test Method for Surface Burning Characteristics of Building Materials.

II. Introduction

The method, designated as ASTM E84-2022, Standard Method of Test for Surface Burning Characteristics of Building Materials, is designed to determine the relative surface burning characteristics of materials under specific test conditions. Results are expressed in terms of flame spread index (FSI) and smoke developed index (SDI).

The purpose of this test method is to determine the relative burning behavior of the material by observing the flame spread along the specimen. Flame spread and smoke developed index are reported. However, there is not necessarily a relationship between these two measurements.

III. Test procedure

The tunnel is preheated to $65.6^{\circ}\text{C}(150^{\circ}\text{F})$, as measured by the floor-embedded thermocouple located 7.09m (23.25 ft) downstream of the burner ports, and allowed to cool to $40.6^{\circ}\text{C}(105^{\circ}\text{F})$, as measured by the floor-embedded thermocouple located 3.96m (13 ft) from the burners. At this time the tunnel lid is raised and the test sample is placed along the ledges of the tunnel so as to form a continuous ceiling 7.32m (24 ft) long, 304.8mm (12 in) above the floor. The lid is then lowered into place.

Upon ignition of the gas burners, the flame spread distance is observed and recorded every 30 seconds. Flame spread distance versus time is plotted ignoring any flame front recessions. If the area under the curve (A) is less than or equal to 97.5 ft·min, FSI = 0.515·A; if greater, FSI = 4900/(195-A).

The test results for smoke shall be plotted and the area under the curve shall be divided by the area under the curve for heptane, multiplied by 100, and rounded to the nearest multiple of five to establish a numerical smoke-developed index (SDI).

IV. Conditioning

Prior to testing, the sample was conditioned,

To a constant weight at a temperature of 23±2.8°C (73.4±5°F) and at a relative humidity of 50±5%.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions, for electronic format documents as the transparent of the imitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document asinx advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawfull and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

**Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307



Test Report No.: AJFS2305004175FF-03 Date: JUN.28, 2023 Page 3 of 6

Sample details

Sample description	100% Polyester fiber (provided by client)	
Color	Black	
Density	1.5 kg/m ²	

Exposed face: Any surface

Mounting methods:

Bars was placed at intervals of approximately 600 mm on the inner ledges of the tunnel for support the specimens.

The specimen consisted of 3 pieces of 600mm wide by 2400mm long by 9.0mm thickness, all sections jointed end-to-end.

Test results:

Flame Spread Index, FSI	Smoke-developed Index, SDI
0	10

Rating:

The National Fire Protection Association Life Safety Code 101, Chapter 10, Section 10.2.3 Interior Wall and Ceiling Finish Classification, has a means of classifying materials with respect to Flame Spread and Smoke Developed when tested in accordance with ASTM E84 or UL 723 Method of Test of Surface Burning Characteristics of Building Materials.

International Building Code, Chapter 8, Interior Finishes, Section 803 Wall and Ceiling Finishes, was classified in accordance with ASTM E 84 or UL 723. Such interior finish materials shall be grouped in the following classes in accordance with their flame spread and smoke-developed indexes.

The classifications are as follows:

Index	Class A	Class B	Class C
Flame Spread Index	0-25	26-75	76-200
Smoke-developed Index	0-450	0-450	0-450

Since the tested sample received a Flame Spread Index 0 and a Smoke-developed Index 10, it would **meet** the requirements of **Class A** interior Wall & Ceiling Finish Category.



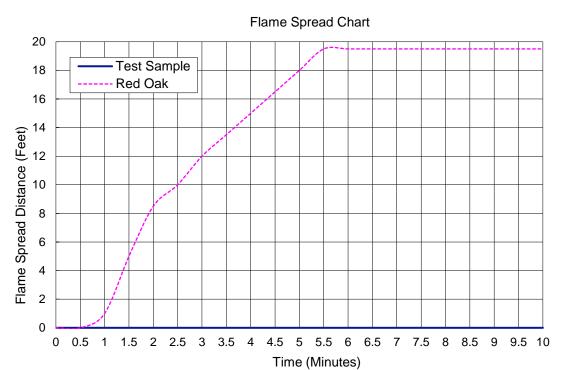
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions, aspx and, of or electronic format documents aspx subject to Terms and Conditions, for electronic Documents aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document liadvised that information contained hereon reflects the Company's findings at the time of its invervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

**Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone;(86-755) 8307

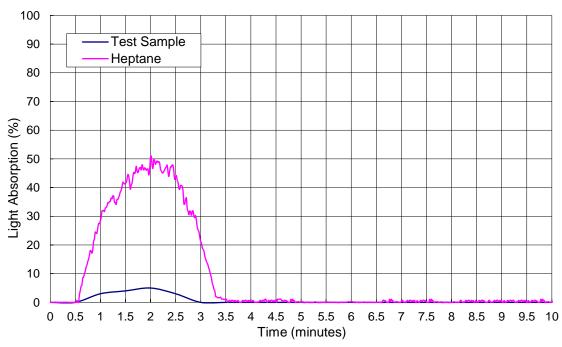


Test Report No.: AJFS2305004175FF-03 Date: JUN.28, 2023 Page 4 of 6

Graphical results:



Smoke Developed Chart





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx.and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions-And-Conditions-And-Condit

Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 830 1443, or email: CN.Doccheck@sgs.com

No. 301, Sunlight Read, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t t (86-572) 5018825 f (86-572) 5018829 www.sgsgroup.com.cn 中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编:313300 t t (86-572) 5018825 f (86-572) 5018829 e sgs.china@sgs.com



Test Report No.: AJFS2305004175FF-03 Date: JUN.28, 2023 Page 5 of 6

Observations:

Time to ignition (sec)	22
Time to Max. FS (sec)	Not application
Maximum FS (feet)	0
Observations	Flaming Dripping, Floor burning

WARNING:

The use of supporting materials on the underside of the test specimen has the ability to lower the flame spread index from those which might be obtained if the specimen could be tested without such support. These test results do not necessarily relate to indices obtained by testing materials without such support. Testing of materials that melt, drip, or delaminate to such a degree that the continuity of the flame front is destroyed, results in low flame spread indices that do not relate directly to indices obtained by testing materials that remain in place.

The test results relate only to the specimens of the product in the form in which were tested. Small differences in the composition or thickness of the product may significantly affect the performance during the test and may therefore invalidate the test results. Care should be taken to ensure that any product, which is supplied or used, is fully represented by the specimens, which were tested.

Statement:

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sps.com/en/Terms-and-Conditions, for electronic format documents subject to Terms and Conditions, for electronic Documents and the Company subject to Terms and Conditions, for electronic Documents as the Company's properties of the Company's findings at the time of its document as the company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction from exercising all their rights and obligations under the transaction documents his document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 83 1443, or email: CN.Doccheck@sgs.com

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018829 www.sgsgroup.com.cn 中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编:313300 t (86-572) 5018825 f (86-572) 5018829 e sgs.china@sgs.com



Test Report

Report No.: AJFS2305004175FF-03 Date: JUN.28, 2023 Page 6 of 6

Photo Appendix:



SGS authenticate the photo on original report only

End of Report



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.appx and, for electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extend of the law Lunless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307

Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 830 1443, or email: CN.Doccheck@sgs.com

No. 301, Sunlight Read, 2 Block, Sunlight Industry Zone, Anji County, Zhejjang Province, China 313300 t t (86-572) 5018825 f (86-572) 5018829 www.sgsgroup.com.cn 中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编:313300 t t (86-572) 5018825 f (86-572) 5018829 e sgs.china@sgs.com