

WALER PRECISION MANUFACTURING SDN BHD
 NO. 2 & 4, JALAN CANGGIH 1, TAMAN PERINDUSTRIAN CERMERLANG, 81800 ULU TIRAM, JOHOR

Sample Description : RESYSTA FIBER POLYMER COMPOSITE

The above data and information 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.

SGS Ref No. : SHIN2406001444CM01
 Sample Receiving Date : Jun.24, 2024
 Test Performing Date : Jun.24, 2024 to Jul.04, 2024

Test Result Summary

Test(s) Requested	Result(s)
CAN/ULC-S102.2:2018+R1:2019 Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies.	FSR:15 SDC:265

Summary:

1. For further details, please refer to the following page(s).

Signed for and on behalf of
 Shunde Branch
 SGS-CSTC Co., Ltd.

Ada

Scan to see the report



SDFS2406004579FF

Verification:

check.sgsonline.com.cn

Ada Liu
 Approved signatory



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TESTS AND RESULTS

Test Conducted:

CAN/ULC-S102.2:2018+R1:2019 Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies.

Sample Preparation:

Prior to testing, the specimen was conditioned to constant weight at a temperature of (23±3)°C and a relative humidity of (50±5)%.

The test specimen was placed on the ceramic fibre paper (Ceramic fibre paper with a area density of 0.7kg/m², shall be laid on the floor of the test chamber beneath the test specimen.).

The test specimen consisted of a total of 9 sections of material. The sections were butted together during testing to form the requisite specimen length.

Test Results:

Sample No.	Calculated Values	
	FSV (Flame spread Value)	SDV (Smoke developed Value)
1	14.9	289
2	14.2	230
3	13.8	269

Classification:

FSR(Flame Spread Rating) :15

SDC (Smoke Developed Classification):265

Remark:

FSR - Calculated the numerical average of the individual Flame Spread Values (FSV), then round the average to the nearest of 5 points. The rounded average is the Flame Spread Rating (FSR)

SDC - Calculated the numerical average of the individual Smoke Developed Values (SDV), then round the average to the nearest of 5 points. The rounded average is the Smoke Developed Classification (SDC)

Observations of Burning Characteristics:

Specimen No.	Time to ignition(s)	Comments and Observation
1	27	Charring
2	30	Charring
3	30	Charring



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Graphical Results:

Sample 1

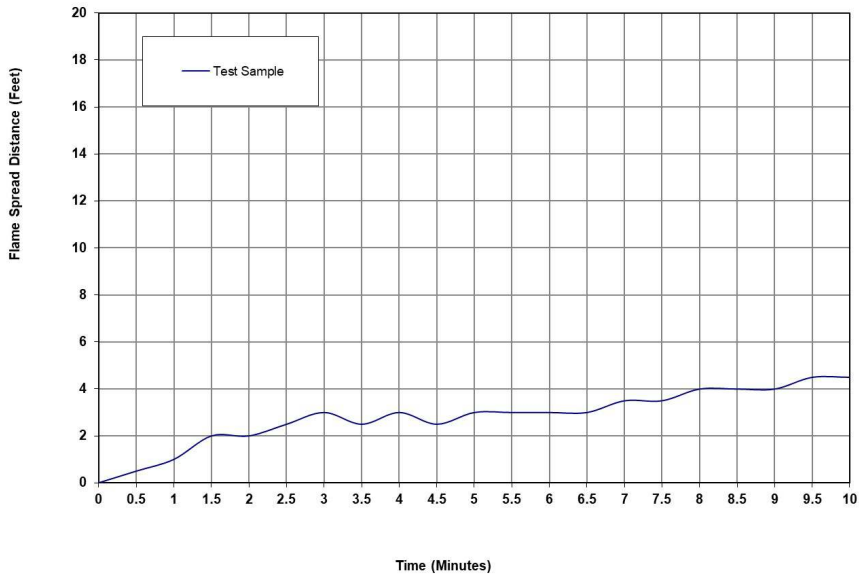


Figure 1. Flame Spread Chart

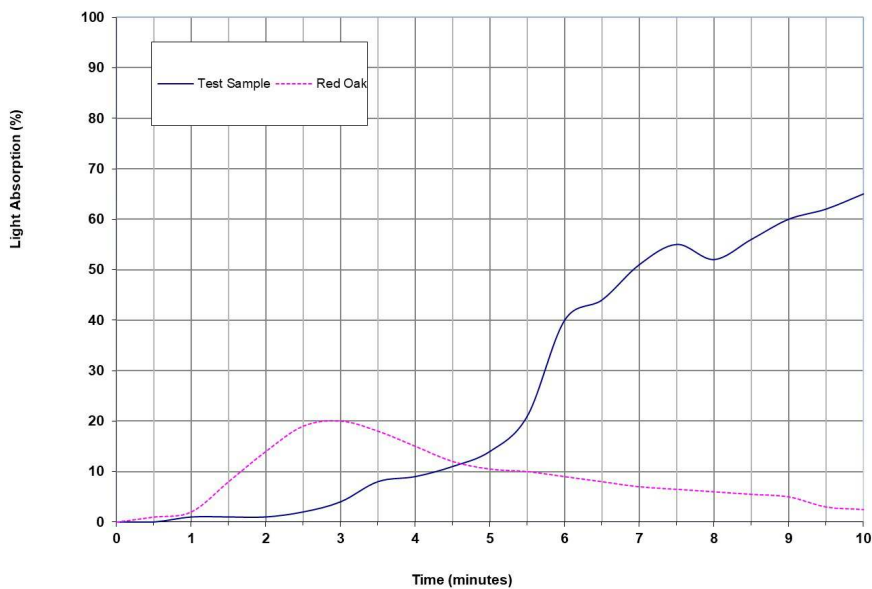


Figure 2. Smoke Developed Chart

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Graphical Results:

Sample 2

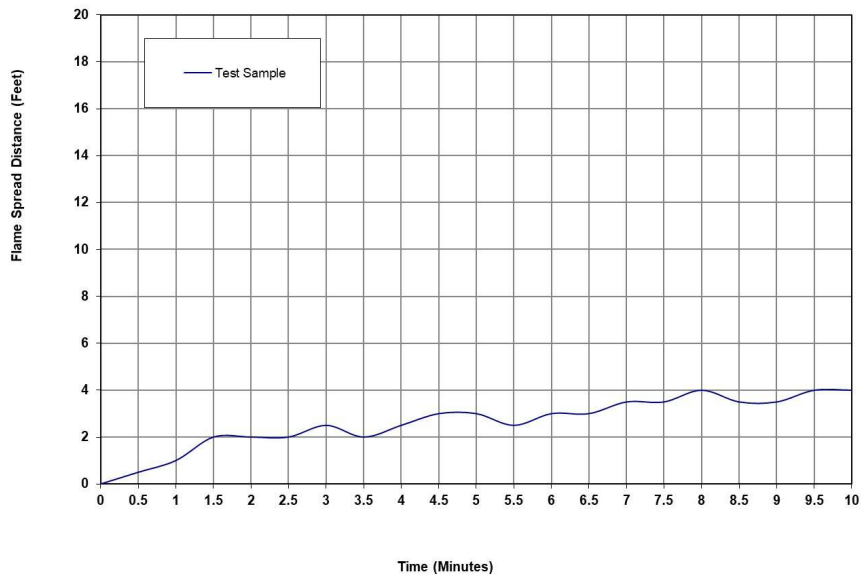


Figure 3. Flame Spread Chart

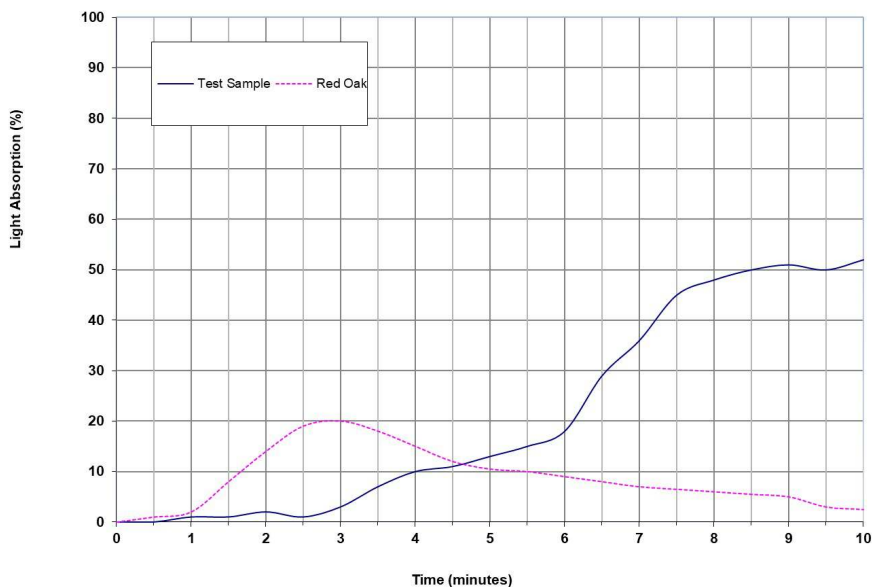


Figure 4. Smoke Developed Chart

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Graphical Results:

Sample 3

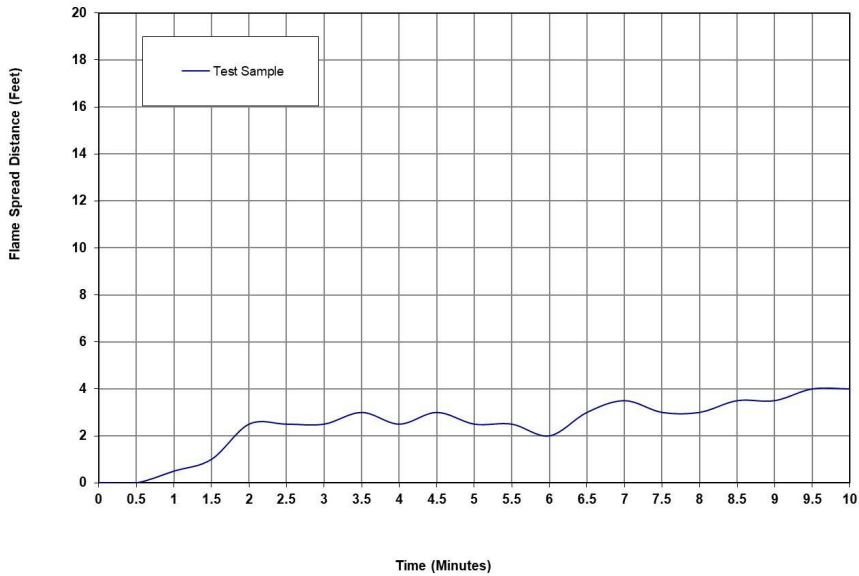


Figure 5. Flame Spread Chart

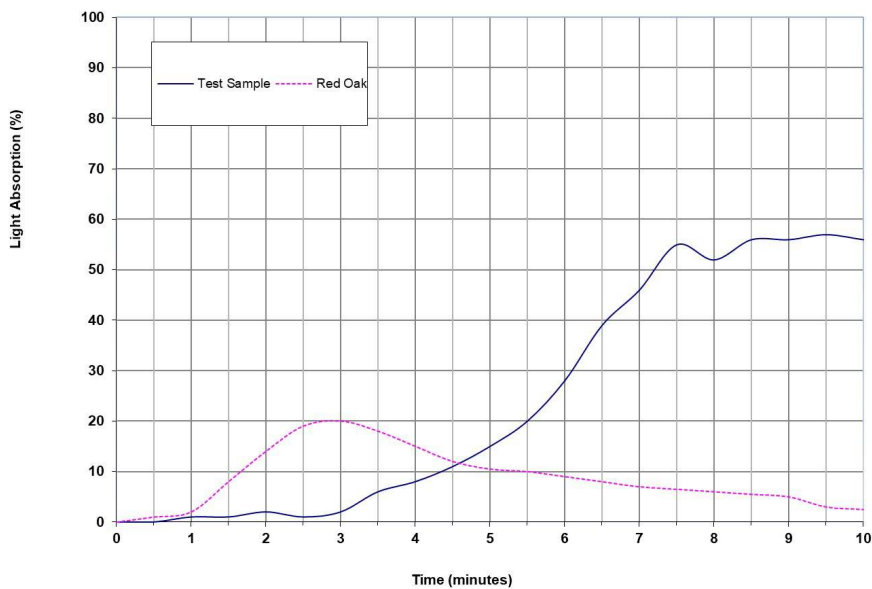


Figure 6. Smoke Developed Chart

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SAMPLE INFORMATION AND PICTURES

Thickness: Max:21 mm
Min:4.0 mm



Sample face



Sample back

End of Report



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