

TEST REPORT

No. : XMIN2407001311CM01_EN

Date : 2024-09-10

Page: 1 of 8



CUSTOMER NAME: ZHAO QING HIGH-TECH ZONE GRAND NEW MATERIALS
TECHNOLOGIES CO., LTD.

ADDRESS: NO. 3 GUTANG SOUTH ROAD, HIGH-TECH ZONE, ZHAOQING,
GUANGDONG, CHINA

Sample Name : HYDRO-BLOK POLYMERIZED QUARTZ BOARDS

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

SGS Ref. No. : SHIN2407001701CM01_EN

Date of Receipt : 2024-07-15

Testing Period : 2024-07-15 ~ 2024-09-10

Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only
to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services Co.,Ltd. Xiamen Branch.

Bryan Hong
Authorized 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 <https://www.sgs.com/en/Terms-and-Conditions>. 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 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 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Xiamen Branch Testing Laboratory

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China 361101
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编: 361101

t (86-592) 5765857 www.sgsgroup.com.cn
t (86-592) 5765857 sgs.china@sgs.com

TEST REPORT

No. : XMIN2407001311CM01_EN

Date : 2024-09-10

Page: 2 of 8

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Length and Width	EN 13164:2012+A1:2015 Clause 4.2.2 & EN ISO 29465:2022	See Result	Pass
2	Thickness	EN 13164:2012+A1:2015 Clause 4.2.3 & EN ISO 29466:2022	See Result	Pass
3	Compressive Stress - Compressive Stress at 10% Deformation	EN 13164:2012+A1:2015 Clause 4.3.4 & EN ISO 29469:2022	See Result	Pass
4	Tensile Strength Perpendicular to Faces	EN 13164:2012+A1:2015 Clause 4.3.5 & EN 1607:2013	See Result	Pass
5	Long Term Water Absorption by Total Immersion	EN 13164:2012+A1:2015 Clause 4.3.7.1 & ISO 16535:2019 Method 2A	See Result	Pass
6	Deformation at Specific Loads and Temperatures	EN 13164:2012+A1:2015 Clause 4.3.3 & EN 1605:2013	See Result	Pass

Note: Pass : Meet the requirements;
Fail : Does not meet the requirements;
N/A : Not Apply to the judgment.



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 <https://www.sgs.com/en/Terms-and-Conditions>. 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 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 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Xiamen Branch Testing Laboratory

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China 361101
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编: 361101

t (86-592) 5765857 www.sgsgroup.com.cn
t (86-592) 5765857 sgs.china@sgs.com


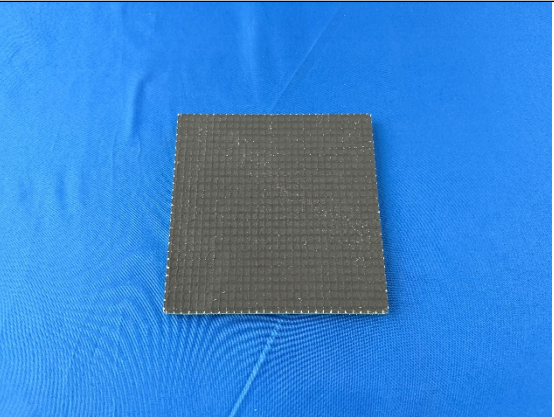
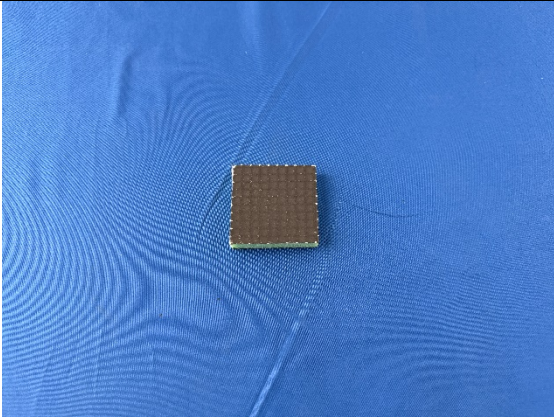
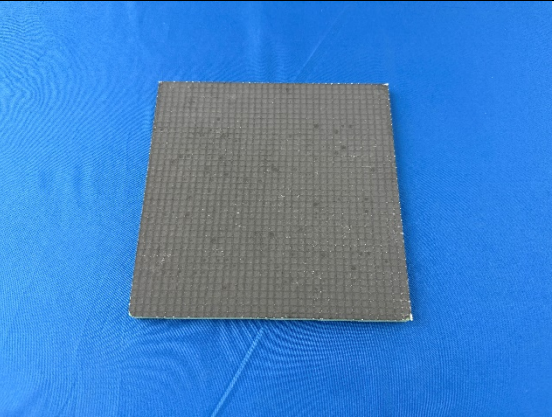
TEST REPORT

No. : XMIN2407001311CM01_EN

Date : 2024-09-10

Page: 3 of 8

Original Sample Photo(s):

	
<p>Length and Width / Thickness</p>	<p>Compressive Stress - Compressive Stress at 10% Deformation / Deformation at Specific Loads and Temperatures</p>
	
<p>Tensile Strength Perpendicular to Faces</p>	<p>Long Term Water Absorption by Total Immersion</p>

TEST REPORT

No. : XMIN2407001311CM01_EN

Date : 2024-09-10

Page: 4 of 8

1. Test Item: Length and Width

Test Method: EN 13164:2012+A1:2015 Clause 4.2.2 & EN ISO 29465:2022

Test Condition:

Specimen: 1500mm×915mm×12mm, 1pc

Nominal length: 1500mm

Nominal width: 914mm

Lab Environmental Condition: (23±2)°C, (50±5)%RH

Test Result:

Test Item	Test Result	Requirement in EN 13164:2012 +A1:2015 Table 1	Conclusion
Length (mm)	1500	1500 ± 8	Pass
Width (mm)	915	914 ± 8	Pass

2. Test Item: Thickness

Test Method: EN 13164:2012+A1:2015 Clause 4.2.3 & EN ISO 29466:2022

Test Condition:

Specimen: 1500mm×914mm×12mm, 1pc

Nominal thickness: 12mm

Lab Environmental Condition: (23±2)°C, (50±5)%RH

Test Result:

Test Item	Test Result	Requirement in EN 13164:2012 +A1:2015 Table 2 Class T3	Conclusion
Thickness (mm)	12.05	12±1	Pass



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 <https://www.sgs.com/en/Terms-and-Conditions>. 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 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 1443, or email: CN.Doccheck@sgs.com

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China 361101
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编: 361101

t (86-592) 5765857 www.sgsgroup.com.cn
t (86-592) 5765857 sgs.china@sgs.com

TEST REPORT

No. : XMIN2407001311CM01_EN

Date : 2024-09-10

Page: 5 of 8

3. Test Item: Compressive Stress - Compressive Stress at 10% Deformation

Test Method: EN 13164:2012+A1:2015 Clause 4.3.4 & EN ISO 29469:2022

Test Condition:

Specimen: 150mm×150mm×12mm, 3pcs

Test speed: 1.2mm/min

Lab Environmental Condition: (23±2)°C, (50±5)%RH

Test Result:

Test Item	Test Result	Requirement in EN 13164:2012+A1:2015 Table 5 CS(10\Y) 300	Conclusion
Compressive Stress - Compressive Stress at 10% Deformation (kPa)	Minimum Value: 468 Average Value: 473	≥ 300	Pass

Original Data:

Test Item	Test Result			
	Individual Value			Average Value
Compressive Stress - Compressive Stress at 10% Deformation (kPa)	475	476	468	473



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 <https://www.sgs.com/en/Terms-and-Conditions>. 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 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 1443, or email: CN.Doccheck@sgs.com

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China 361101
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编: 361101

t (86-592) 5765857 www.sgsgroup.com.cn
t (86-592) 5765857 sgs.china@sgs.com

TEST REPORT

No. : XMIN2407001311CM01_EN

Date : 2024-09-10

Page: 6 of 8

4. Test Item: Tensile Strength Perpendicular to Faces

Test Method: EN 13164:2012+A1:2015 Clause 4.3.5 & EN 1607:2013

Test Condition:

Specimen: 50mm×50mm×12mm, 5pcs

Test speed: 10mm/min

Lab Environmental Condition: (23±2)°C, (50±5)%RH

Test Result:

Test Item	Test Result	Requirement in EN 13164:2012 +A1:2015 Table 6 TR 200	Conclusion
Tensile Strength Perpendicular to Faces (kPa)	Minimum Value: 401 Average Value: 508	≥ 200	Pass

Original Data:

Test Item	Test Result					
	Individual value					Average value
Tensile Strength Perpendicular to Faces (kPa)	558	555	546	480	401	508



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 <https://www.sgs.com/en/Terms-and-Conditions>. 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 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 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Xiamen Branch Testing Laboratory

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China 361101
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编: 361101

t (86-592) 5765857 www.sgsgroup.com.cn
t (86-592) 5765857 sgs.china@sgs.com

TEST REPORT

No. : XMIN2407001311CM01_EN

Date : 2024-09-10

Page: 7 of 8

5. Test Item: Long Term Water Absorption by Total Immersion

Test Method: EN 13164:2012+A1:2015 Clause 4.3.7.1 & ISO 16535:2019 Method 2A

Test Condition:

Specimen: 200mm×200mm×12mm, 2pcs

Treatment Condition: Immersion in water for 28d → Drain it for 10min

Lab Environmental Condition: (23±2)°C, (50±5)%RH

Test Result:

Test Item	Test Result	Requirement in EN 13164:2012+A1:2015 Table 7 WL(T) 3	Conclusion
Long Term Water Absorption by Total Immersion (%)	Maximum Value: 2.4 Average Value: 2.3	≤ 3	Pass

Original Data:

Test Item	Test Result		
	Individual Value		Average Value
Long Term Water Absorption by Total Immersion (%)	2.4	2.2	2.3



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 <https://www.sgs.com/en/Terms-and-Conditions>. 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 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 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Xiamen Branch Testing Laboratory

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China 361101
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编: 361101

t (86-592) 5765857 www.sgsgroup.com.cn
t (86-592) 5765857 sgs.china@sgs.com

TEST REPORT

No. : XMIN2407001311CM01_EN

Date : 2024-09-10

Page: 8 of 8

6. Test Item: Deformation at Specific Loads and Temperatures

Test Method: EN 13164:2012+A1:2015 Clause 4.3.3 & EN 1605:2013

Test Result:

Test Item	Test Result	Requirement in EN 13164:2012+A1:2015 Table 4 DLT(2) 5	Conclusion
Deformation at Specific Loads and Temperatures	2	≤ 5	Pass

Note: The above test project/method was carried out by subcontractors.

Unless otherwise stated, this report provides a declaration of conformity according to whether the test results are within the specified limits or specifications without considering the measurement uncertainty.

*****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 <https://www.sgs.com/en/Terms-and-Conditions>. 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 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 1443, or email: CN.Doccheck@sgs.com

SGS-CTC Standards Technical Services Co., Ltd.
Xiamen Branch Testing Laboratory

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China 361101
中国·福建·厦门·火炬（翔安）产业区翔虹路31号 邮编: 361101

t (86-592) 5765857 www.sgsgroup.com.cn
t (86-592) 5765857 sgs.china@sgs.com