

Test Report No.: CZHL2111007950HI_EN Date: DEC. 13, 2021 Page 1 of 4
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THE TEST REPORT IS AN ENGLISH VERSION OF REPORT NO: CZHL2111007950HI, DATE: DEC. 13, 2021,IF ANY DIFFERENCE, THE VERSION USING TESTING STANDARD LANGUAGE WILL PREVAIL.

The following sample(s) was/were submitted and identified by/on behalf of the client as:

Sample Description : MINERAL STONE POLYCOMPOSITE (MSPC)

Requested Age Grading : 15

Sample Receiving Date : DEC. 03, 2021

Testing Period : DEC. 03, 2021 TO DEC. 13, 2021

Testing Performed : Follow selected test(s) as requested by client.

	Test Requirement	Conclusion
1	Test Methods of Evaluating The Properties of Wood-based Panels and Surface Decorated Wood-based Panels (GB/T 17657-2013) Clause 4.7	See Result

*** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) ***



Berix Li

Authorized Signatory

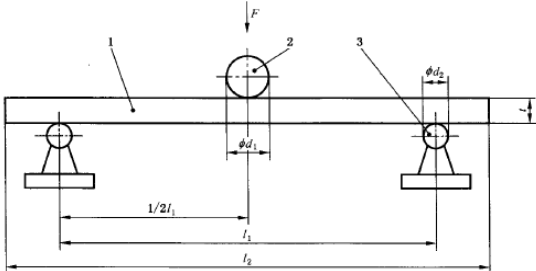


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1. Test Methods of Evaluating The Properties of Wood-based Panels and Surface Decorated Wood-based Panels (GB/T 17657-2013) Clause 4.7

Clause	Test Description	Result
4.7 Determination of bending strength and Modulus of elasticity	<p>1. Measure the width and thickness of each test piece as requirement.</p> <p>2. Adjust the distance between two centers of the supports to 20 times of the nominal thickness of test piece, but not less than 100mm. Measure the distance between two supports accurate to 0.5mm.</p> <p>3. Place the test piece on the supports, vertical to the supports and the center of the specimen was under the loading roller.</p> <p style="text-align: right;">单位为毫米</p>  <p>说明: 1——试件; 2——加荷辊; 3——支承辊; F——载荷; t——试件厚度。</p> <p>注: $l_1 \geq 20t$; $l_2 = l_1 + 50$; $t < 6$, $\phi d_1 = \phi d_2 = 10 \pm 0.5$; $t > 6$, $\phi d_1 = 30 \pm 0.5$, $\phi d_2 = 15 \pm 0.5$.</p> <p>4. The applied force direction keeps vertical to centerline in long axis of test piece. During the test, the load shall be applied at a constant rate, and the test piece reached its maximum damage load in (60±30)s, Record the maximum load to an accuracy of 1%.</p> <p>5. Test the specimen for longitudinal and transverse direction. Half face up and half back up.</p> <p>The bending strength σ_b of each test piece, is calculated from the formula accurate to 0.1MPa</p> $\sigma_b = \frac{3 \times F_{\max} \times l_1}{2 \times b \times t^2}$ <p>σ_b — bending strength of the test piece.</p> <p>F_{\max} — maximum load, N;</p> <p>l — distance between the centers of the supports, mm;</p> <p>b — width of the test piece, mm;</p>	<p>Actual:</p> <p>Bending strength:</p> <p>Longitudinal direction: 34.4Mpa</p> <p>transverse direction: 27.7Mpa</p> <p>Modulus of elasticity:</p> <p>Longitudinal direction: 6490Mpa</p> <p>transverse direction: 6210Mpa</p>



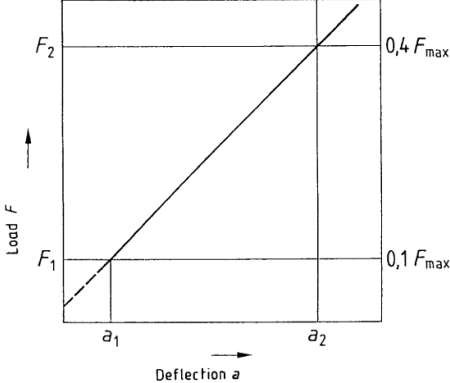
Clause	Test Description	Result
	<p>h — thickness of the test piece, mm;</p> <p>The modulus of elasticity, of each test piece, is calculated from the formula to the accuracy of 10 MPa</p> $E_h = \frac{l_1^3}{4 \times b \times t^3} \times \frac{F_2 - F_1}{a_2 - a_1}$ <p>Where :</p> <p>Eh —Modulus of elasticity of specimen, MPa;</p> <p>l — the distance between the centres of the supports , mm;</p> <p>b — the width of specimen, mm;</p> <p>t — thickness of specimen , mm;</p> <p>F2-F1 — is the increment of load on the straight line portion of load-deflection curve , N;</p> <p>a2-a1 — is the increment of deflection at the mid-length of the test piece (corresponding to F2-F1);</p>  <p>The modulus of elasticity Eh of each test piece, is calculated from the formula accurate to 10MPa.</p>	



Photo Appendix

Photo relative to overall specimen:



Received Sample (front view)



Received Sample (back view)

Result/Rating/Record Key(s)

- I. Result/Rating Keys: P = Pass = Meet; F = Fail = Not Meet; N/A = Not applicable = Not suitable; NR = NC = Test not conduct/requested per client request; TT = Test terminated due to the earlier failure of last test.
- II. Record Keys: "C:" means Claimed parameter; "A:" means Actual recorded from test; "D:" means Data for reference only.

General Report Note(s)

- A. N.B. Only applicable clauses were shown.
- B. (1) 1mg/kg = 0.0001% (2) MDL = Method Detection Limit (3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated
- C. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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- F. The declaration of conformity is only based on the actual value of laboratory activity, measurement uncertainty of the results not take into account.
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*** End of Report ***



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