



中国认可
国际互认
检测
TESTING
CNAS L9582



扫一扫验真伪

Test Report

No: STD-250814-A041-3

Sample Name: Acrylic Panel

Zhangjiagang City Leyu Plexiglass

Applicant: Product Factory

Test Type: Entrusted Test

Testing Company: Standard Testing Group Co., Ltd.



斯坦德集团
STANDARD GROUP



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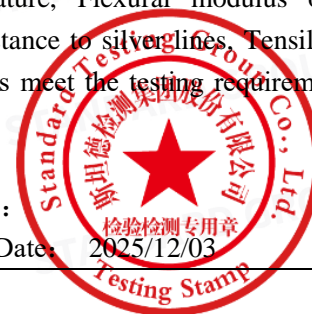
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Applicant	Zhangjiagang City Leyu Plexiglass Product Factory		
Applicant Address	Yongle Industrial Park, Leyu Town, Zhangjiagang City, Jiangsu Province		
Sample Name	Acrylic Panel	Type/Serial No.	--
Sample Quantity	Each group	Manufacturer	--
Other information	Thickness: 30mm-800mm		
The above information is provided by the applicant and the applicant should answer for its authenticity.			
Sample Number	250814-A041001, 250814-A041002	Sample State	Intact
Received Date	2025/08/14	Test Type	Entrusted Test
Test Period	2025/08/14-2025/08/27		
Test Item	Density, Water absorption, Tensile strength, Tensile fracture strain, Notched impact strength of simply supported beams, Vicat softening temperature, Flexural modulus of elasticity, Coefficient of linear expansion, Solvent resistance to silver lines, Tensile strength of joints, Atomization, Light transmittance		
Test Standard	GB/T 2410-2008, GB/T 7134-2008, GB/T 1034-2008, GB/T 1040.2-2022, GB/T 1633-2000, DIN 75201-2024, GB/T 1043.1-2008, ASTM D1003-21, GB/T 1033.1-2008, GB/T 9341-2008, GB/T 1036-2008		
Test Conclusion	According to applicant's demand, a total of 13 items are tested, and the Density, Water absorption, Tensile strength, Tensile fracture strain, Notched impact strength of simply supported beams, Vicat softening temperature, Flexural modulus of elasticity, Coefficient of linear expansion, Solvent resistance to silver lines, Tensile strength of joints, Atomization, Light transmittance items meet the testing requirements. The test results refer to page 2~3.		
Remark	--		

Stamp:

Issue Date:

2025/12/03





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Summary of Test Results							
No.	Test Item	Unit	Test Result	Test Norm [®]	Test Conclusion	Test Standard	Remark
Acrylic Panel(Sample Number:250814-A041001)							
1	Density (24°C)	g/cm ³	1.186	1.19±0.01	Conformity	GB/T 1033.1-2008	--
2	Water absorption (distilled water, 23°C, 24h)	%	0.220	≤0.3	Conformity	GB/T 1034-2008	--
3	Tensile strength	MPa	76.3	≥70	Conformity	GB/T 1040.2-2022	--
4	Tensile fracture strain	%	3.7	≥3.0	Conformity	GB/T 1040.2-2022	--
5	Notched impact strength of simply supported beams	kJ/m ²	19	≥17	Conformity	GB/T 1043.1-2008	Destruction type: C
6	Vicat softening temperature	°C	106	≥105	Conformity	GB/T 1633-2000	B ₅₀ method
7	Flexural modulus of elasticity	MPa	3422	≥3000	Conformity	GB/T 9341-2008	--
8	Coefficient of linear expansion	°C ⁻¹	5.57×10 ⁻⁵	≤7.0×10 ⁻⁵	Conformity	GB/T 1036-2008	--
9	# Solvent resistance to silver lines(Dibutyl phthalate, 40°C, 24h)	--	No silver pattern	No silver pattern	Conformity	GB/T 7134-2008	--





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Summary of Test Results							
No.	Test Item	Unit	Test Result	Test Norm ^①	Test Conclusion	Test Standard	Remark
10	Tensile strength of joints	MPa	73.7	≥56	Conformity	GB/T 1040.2-2022	--
11	*Atomization	mg	0.15	≤3.2	Conformity	DIN 75201-2024	--
Acrylic Panel(Sample Number:250814-A041002)							
12	Light transmittance	%	93.0	≥91	符合	GB/T 2410-2008	C light source
13	#Light transmittance	%	92.9	≥91	符合	ASTM D1003-21	C light source
<p>Test description:</p> <p>1.Test equipment : Pendulum impact testing machine, Electronic digital caliper, Multifunctional constant temperature and humidity testing chamber, Ventilation aging chamber testing machine, Density balance, Thermal mechanical analyzer TMA, Transmittance/haze tester, Microcomputer controlled electronic universal testing machine, Microcomputer controlled electronic universal testing machine, Microcomputer controlled thermal deformation Vicat softening point testing machine, Natural ventilation aging testing machine, Atomization tester, electronic balance etc.</p> <p>①The norm are provided by the applicant.</p> <p>The project marked with # is not within the CNAS accreditation scope of this laboratory.</p> <p>The project marked with * is a subcontracted project, and the subcontractor is EMTEK (Guangzhou) Co.,Ltd. The subcontracted project is not within the scope of CNAS accreditation by this laboratory and the subcontractor.</p> <p>2.Other information : Atomization test conditions: sampling diameter of 80mm, equilibrium time of 16h, heating temperature of 100°C, drying temperature of 23°C, condensation temperature of 21 °C, drying time of 4h.</p> <p>Experimental location: LANEBEST Innovation Park, No.1, Jinye Road, High-Tech Industrial Development Zone, Qingdao, Shandong, China.</p>							





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The Picture of Sample



Fig 1 250814-A041001



Fig 2 250814-A041002

The End





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NOTES

- 1.The report is invalid without signatures or seals of the editor, reviewer and approver, and it is also invalid without the “test special chapter” and its riding seal.
- 2.The testing result is only responsible for the sent samples, the client should undertake responsibility for the authenticity and representative of submitted sample.
- 3.Any unauthorized copy, illegal transfer, embezzlement, imposture, modification, addition and deletion or any other kind of manipulation in part of the test report is not valid.
- 4.Any objection concerning the report should be submitted to the institute within 3 days after receiving the report, any request would be refused if it is overdue.
- 5.The relevant projects in this report have not obtained qualification recognition, and are only used for scientific research, teaching and internal quality control.

Testing Company: Standard Testing Group Co., Ltd.

Address: LANEBEST Innovation Park, No.1 Jinye Road, Qingdao National Hith-tech Industrial Development Zone, Qingdao, Shandong

