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中国认可
国际互认
检测
TESTING
CNAS L1209

Test Report

Report Number: WT20240695(E)

Name of Sample: PVB film for building

Client: VFG FILM JOINT STOCK COMPANY

Test Category: Consignment inspection

China Building Material Test & Certification Group Qinhuangdao Co., Ltd.

National Glass Quality Inspection and Testing Center



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China Building Material Test & Certification Group Qinhuangdao Co., Ltd.

国检集团

国家玻璃质量检验检测中心
National Glass Quality Inspection and Testing Center

No.: WT20240695(E)

Test Report

1 of 4 pages

Name of sample	PVB film for building	Trademark	/
Client	VFG FILM JOINT STOCK COMPANY	Contact information	18676522960
Address of client	2 nd Floor, Detech Building, 8 Ton That Thuyet, My Dinh 2 Ward, Nam Tu Liem District, Ha Noi, Viet Nam	Test Category	Consignment inspection
Manufacture	VFG FILM JOINT STOCK COMPANY	Class/Category	Building film
Contract number	20240568	Production date/Batch number	/
Judgment method	GB/T 32020-2015	Date of accepting sample	Apr. 12, 2024
Test address	No. 91, West Section of Hebei Street, Haigang District, Qinhuangdao City, Hebei Province	Test item	Size, Roughness, etc.
Sample information	Specification & quantity: Film 7m×1000mm 2 pieces Laminated glass 300mm×150mm 2 pieces Laminated glass 60mm×60mm 3 pieces Laminated glass 300mm×300mm 6 pieces Film thickness: 1.52mm Laminated glass structure: 3mm clear glass+1.52mmPVB+3mm clear glass Model / color: Colorless Sample status: PVB samples are sealed and packaged with aluminum film		
Conclusion	Upon testing, the test items of the PVB film for building meet the requirements of the building film in GB/T 32020-2015 "Polyvinyl butyral interlayer for laminated glass". (the following blank)		
Remarks	This report is a translation of the WT20240695 report		

Editor: 梁晓雷

Auditor: 姜晓利

Approval: 姜晓利



Test Report Result

2 of 4 Pages

Name of sample		PVB film for building		Sample Coding		JP2024-049	
Test Item		Test method	Sample number	Test results		Criterion (GB/T 32020-2015)	Single conclusion
Size		GB/T 32020-2015 5.3	26~27	Length deviation: 11.0mm, 10.0mm Width deviation: 8.0mm, 9.5mm Thickness deviation: -0.02mm、-0.02mm Adjacent two points deviation: 0.004mm、0.005mm		Article 4.2, Article 6.4.1	Qualified
Volatile mass fraction		GB/T 32020-2015 5.4.1	1~3	Average: 0.37%		0.35%~0.55%	Qualified
Yellow index		HG/T 3862-2006	4~6	Average: 3.8		≤8	Qualified
Roughness Rz	Front	GB/T 32020-2015 5.4.3	26	Average: 32μm		15μm~50μm	Qual-ified
	Back			Average: 19μm			Qual-ified
Dimensional change rate		GB/T 32020-2015 5.4.4 GB/T 12027-2004	7~9	Average value of transverse dimensional change rate: 0.8% Average value of longitudinal dimensional change rate: -1.8%		≤12%	Qualified
Tensile strength		GB/T 32020-2015 5.4.5 GB/T 1040.3-2006 GB/T 1040.1-2006	10~14	Average: 25.7MPa		≥20.0MPa	Qualified
Fracture tensile strain		GB/T 32020-2015 5.4.5 GB/T 1040.3-2006 GB/T 1040.1-2006	10~14	Average: 286.8%		≥200%	Qualified
Knocking value		GB/T 32020-2015 5.4.6	24~25	Average: 9		≥8	Qualified
Light transmittance		GB/T 32020-2015 5.4.7 GB/T 2410-2008 Method A Haze meter method	15~17	Average: 88.8%		≥85%	Qualified

(Continued on next page)

Test Report Result

3 of 4 Pages

Name of sample	PVB film for building		Sample Coding	JP2024-049	
Test Item	Test method	Sample number	Test results	Criterion (GB/T 32020-2015)	Single conclusion
Haze	GB/T 32020-2015 5.4.7 GB/T 2410-2008 Method A Haze meter method	15~17	Average: 0.21%	$\leq 1.00\%$	Qualified
High temperature resistance	GB/T 32020-2015 5.4.8 GB/T 5137.3-2002 6	18~20	3 samples did not produce bubbles, discoloration and other defects beyond 15mm from the edge or 10mm from the crack	Article 4.3, Article 6.4.1	Qualified
Humidity resistance	GB/T 32020-2015 5.4.9 GB/T 5137.3-2002 7	21~23	3 samples did not produce bubbles, discoloration and other defects beyond 15mm from the edge or 10mm from the crack	Article 4.3, Article 6.4.1	Qualified
Radiation resistance	GB/T 32020-2015 5.4.10 GB/T 5137.3-2002 5	15~17	Irradiation resistance: 99.52%, 99.66%, 99.74%	$\geq 95\%$	Qualified
Remarks: /					
Blanks here					
Reporter: 冯强		Checker: 李静			
Date of test: Apr. 22, 2024 to May 13, 2024					

Instruments list

4 of 4 pages

NO.	Instrument name	Instrument number
1	Steel ruler	QCTC-B-025
2	Steel tape	QCTC-B-063
3	Bench thickness gauge	QCTC-B-112
4	Oven	QCTC-A-033
5	Electronic balance	QCTC-A-231
6	Vacuum drying chamber	QCTC-A-233
7	Spectral colorimeter	QCTC-A-004
8	Roughness Tester	QCTC-A-234
9	High and low temperature test chamber	QCTC-A-058
10	Electronic all-purpose testing machine	QCTC-A-072
11	Electronic digital caliper	QCTC-B-090
12	Knock test box	QCTC-A-236
13	High precision haze meter	QCTC-A-239
14	Boiling box	QCTC-A-015
15	Constant temperature and humidity test chamber	QCTC-A-030
16	Radiation resistance tester	QCTC-A-024

本机构联系方式

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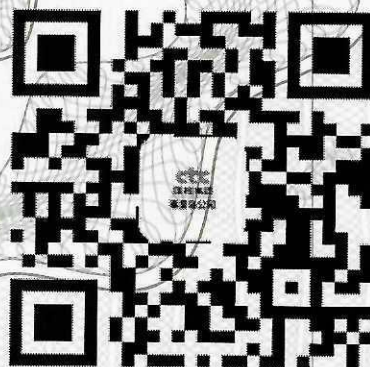
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