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中国认可
国际互认
检测
TESTING
CNAS L0690

TEST REPORT

Report No.: WT2023B03C00096E

Entrusted by:

HAINING ANJIE COMPOSITE MATERIAL
CO.,LTD

Sample Name:

CARBON FIBER FABRIC

Test Type:

Commissioned Testing

China Testing & Certification International Group Co.,Ltd.
National Research Center of Testing Techniques for
Building Materials



WT2023B03C00096



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Sample(s) Name	CARBON FIBER FABRIC	Test Type	Commissioned Testing
Client	HAINING ANJIE COMPOSITE MATERIAL CO.,LTD	Brand	安捷 NCE
Manufacture	JIANGSU NONGCHAOER COMPOSITE MATERIAL CO.,LTD	Sample State	Meet the requirements of testing
Receiving Date	February 08, 2023	Quantity of sample(s)	1m²
Production Date/Batch number	January 28, 2023/2023012801	Model/Size	CJ30T
Test Method(s)	The method for the test items are detailed in the data page(s).	Test Date	February 27-March 30th, 2023
Judgment Standard(s)	GB 50728-2011 《Technical specification for safety appraisal of engineering structural reinforcement materials》 (Table 8.2.4)		
Test Item(s)	The standard value of tensile strength, modulus of elasticity in tension and other 7 items, see the data page for details.		
Test Result(s)	*After testing, the test results of the items tested by the submitted samples meet the technical requirements of high strength Grade I of unidirectional fabric in GB 50728-2011 Technical Specification for Safety Evaluation of Engineering Structural Reinforcement Materials (Table 8.2.4). See the data page for test results.* Date of Issue: 2023-04-06 (Seal)		
Remarks: (Provided by the client) Grade: high strength I grade; Sample number: 01.			

Approved by



Checked by



Compiled by



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No.	Test Item(s)		Standard Requirement (Unidirectional fabric high strength I level)	Test Result(s)	Individual Conclusion	Test method(s)
1	Standard value of tensile strength		$\geq 3400\text{MPa}$	3573MPa	Pass	GB/T 3354-2014
2	Modulus of elasticity in tension		$\geq 2.3 \times 10^5\text{MPa}$	$2.36 \times 10^5\text{MPa}$	Pass	
3	Elongation		$\geq 1.6\%$	1.61%	Pass	
4	Shear strength between layers		$\geq 45\text{MPa}$	47.3MPa	Pass	GB 50728-2011 Appendix D
5	Bending strength		$\geq 700\text{MPa}$	886MPa	Pass	GB/T 3356-2014
6	Positive tensile bond strength of fiber composite material and substrate	For concrete substrate	$\geq 2.5\text{MPa}$, and it is the cohesive failure of the base material	4.0MPa, and it is the cohesive failure of the substrate	Pass	GB 50728-2011 Appendix G
7	Mass per unit area	Manual paste	$\leq 300\text{g/m}^2$	298g/m ²	Pass	GB/T 9914.3-2013

Annotations:

1. Test address: Guanzhuang
2. Strength grade of concrete substrate in Item 6 test: C45.

End of the Report