



170021183991



TESTING
CNAS L6011

Test Report

BJZ(2018) 0376

Name: Ballistic Panel

Type: SA-38

Test Sort: Commission Test

Client: YONGKANG LONGKUI NEW
MATERIAL CO., LTD.



Test Center of Ordnance and
Equipment Research Institute,
China Ordnance and Equipment Group



Date: May 8, 2018
Quality Supervision and Inspection
Center for Special Production of
China Ordnance and Equipment

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- 5 The test-report is just answer for the test sample.

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Name	Ballistic Panel	Type	SA-38
Client	YONGKANG LONGKUI NEW MATERIAL CO., LTD.	Client Principal	Shi Zheng Yin
Address	NO. 366, Kechuang Road, The Economic Development Zone, Yongkang City, Zhejiang, China	Telephone	0579-8715313
Manufacturer	YONGKANG LONGKUI NEW MATERIAL CO., LTD.	Test Sort	Commission Test
Test Date	Apr. 24, 2018	Brand	LONGKUI
Lot Number	180410002	Sample Quantity	1
Serial Number	YP180424-9	Sample State	Good
Standard	NIJ Standard-0101.04 Ballistic Resistance of Personal Body Armor		
Test item	Bulletproof Performance		
Test Conclusion	Type SA-38 ballistic panel, which is provided by YONGKANG LONGKUI NEW MATERIAL CO., LTD, has been tested by ball firing at normal temperature. The bulletproof performance conforms to the requirements of level IIIA of NIJ Standard-0101.04 Ballistic Resistance of Personal Body Armor. See the table and Picture 1-2.		
Remarks			
Editor: Gao lei	Censor: Yuan Hong	Approver: Zhao Hong long	

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Test place, environment (special requirement of environment) and test equipments	
Test place	Quality Supervision and Inspection Center for Special Production of China Ordnance Equipment
Test environment (special requirement of environment)	/
	Indoor: temperature 22℃, humidity 49%RH
Test equipments	/
	Universal standard Measure Tools Ballistic Analytic System (No.329000001) Electro- balance (No.CSJL-00005) Testing weapon: 9mm Uzi Sub-machine gun Testing ammunition: 9mm Parabellum pistol cartridge
Character & Structure of sample	The sample is made of 28 layers of PE and 4.5mm foam.

Test Table of Type SA-38 Ballistic Panel

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Sample Number	Ballistic Panel Weight (kg)	Protected Area (m ²)	Sample Condition	Shooting Distance (m)	Angle of Incidence	Shooting Sequence	Muzzle Velocity (m/s)	Penetration	BFS Requirement (mm)	Measured Value (mm)
YP180424-9	0.68	0.16	Normal Temperature	5	0°	1	439	NP	≤ 44.0	27.2
						2	441	NP		30.1
						3	437	NP		30.2
					Left 30°	4	443	NP		12.3
					Right 30°	5	441	NP		27.4
					0°	6	444	NP		25.1

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Picture 1 Impact Side



Picture 2 Backing Material

