



170021183991



TESTING
CNAS L6011

Test Report

BJZ(2019) 0148

Name: Ballistic Insert

Type: HA-38/800

Test Sort: Commission Test

Client: Yongkang Longkui
New Material Co., Ltd.

Date: Feb. 27, 2019

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

Quality Supervision and Inspection
Center for Special Production of
China Ordnance and Equipment

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- 1 The test-report invalidate if no special test-stamp.
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- 4 It should be demurred within fifteen days after received the test-report. Not accept if expired.
- 5 The test-report is just answer for the test sample.

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Name	Ballistic Insert	Type	HA-38/800
Client	YONGKANG LONGKUI NEW MATERIAL CO., LTD.	Client Principal	Shi Zhengyin
Address	NO. 366, Kechuang Road, The Economic Development Zone, Yongkang City, Zhejiang, China	Telephone	0579-87153130
Manufacturer	YONGKANG LONGKUI NEW MATERIAL CO., LTD.	Test Sort	Commission Test
Test Date	Feb. 26, 2019	Brand	Longkui
Lot Number	20190220006	Sample Quantity	1
Sample Number	YP190226-17	Sample State	Good
Standard	NIJ Standard-0101.06 Ballistic Resistance of Body Armor		
Test item	Bulletproof Performance		
Test Result	<p>Type HA-38/800 ballistic insert (sample), which is provided by Yongkang Longkui New Material Co., Ltd., has been tested with AK47 7.62mm assault rifle and 7.62 × 39mm rifle cartridge at the distance of 15m. It shot 6 rounds with no penetration. Test condition is normal temperature. The maximum depth of deformation on the backing material is 36.4mm.</p> <p>See the table and Picture 1-2.</p>		
Remarks			
<p>Editor: Wang Zishi Censor: Pang Wenxia Approver: Zhao Hongbing</p>			

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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 46%RH /
Test equipments	Universal standard Measure Tools Ballistic Analytic System (No.328000212) Electro- balance (No.CSJL-00122) Testing weapon: AK47 7.62mm assault rifle Testing ammunition: 7.62 × 39mm rifle cartridge
Character & Structure of sample	The sample is made of 18.0mm PE.

Test Table of Type HA-38/800 Ballistic Insent

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Sample Number	Sample Dimension (mm)	Sample Weight (kg)	Sample Condition	Shooting Distance (m)	Angle of Incidence	Shooting Sequence	Muzzle Velocity (m/s)	Penetration	BFS	Depth (mm)
YP190226-17	300.0 × 263.0	1.35	Normal Temperature	15	0°	1	718	NP	21.2	
						2	722	NP	21.7	
						3	720	NP	35.3	
						4	717	NP	18.9	
						5	722	NP	23.1	
						6	721	NP	36.4	



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Picture 1 Impact side



Picture 2 Backing Material

