

Cert. No: LF20180262



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中国认可  
国际互认  
检测  
TESTING  
CNAS L0269

# Certificate of Test

Client: Yongkang Longkui Protective Equipment Co., Ltd

Address: No.366, Kechuang Road, the Economic Development Zone,  
Yongkang City, Zhejiang Province

Sample Name: Armor Panel

Physical and Chemical Inspection Center in Non-metals  
Material of Ordnance Industries

Jul.25.2018





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**Laboratory Configuration**

<b>Test Unit</b>	Physical and Chemical Inspection Center in Non-metals Material of Ordnance Industries
<b>Ambient Test Conditions</b>	Temperature: 26°C; Relative Humidity:68%
<b>Setup</b>	Weapons: Ballistic Barrel Bullets: .44 Magnum SJHP Electrical chronometer (No.:9415) Meter Rule (No.:LS02061) Electronic Balance( No.:F40604303)
<b>Test Range</b>	5m

**Sample Description**

<b>Sample Type</b>	SA-160
<b>Configuration</b>	36 layers PE UD + 1 layer PC + 1 layer foam
<b>Remarks</b>	Blank

Recorded By: *Wang Wei*

Checked By: *Wang Jucan*



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Sample Name	Armor Panel	Test Type	Consignation Test
Client	Yongkang Longkui Protective Equipment Co., Ltd	Address	No.366, Kechuang Road, the Economic Development Zone, Yongkang City, Zhejiang Province
Contact Person	Jet Shi	Phone	18969388688
Date Received	07/20/2018	Test Date	07/20/2018
Sample Amount	1	Sample Type	SA-160
Categories	Ballistic Resistance	Test Standard	NIJ 0101.06 IIIA (.44 Magnum SJHP)

**Test Conclusion**

The Armor Panel (Sample Type: SA-160) provided by Yongkang Longkui Protective Equipment Co., Ltd. was tested according with NIJ 0101.06 IIIA (.44 Magnum SJHP). Under normal temperature and humidity, no perforation occurs after six fair shots at the sample with .44 Magnum SJHP, no Backface Signature (BFS) depth exceeds 44mm and the maximum BFS depth is 38.4mm. The results show that the ballistic resistance of the sample satisfies the requirements of NIJ 0101.06 Level IIIA (.44 Magnum SJHP) .

Laboratory configuration, sample description and test results are showed from Page 2 to 4.

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Prepared By: *Wang Wei*

Reviewed By: *Fougang*

Approved By: *Jet Shi*





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Results of Ballistic Resistance Test

Sample Parameters

Sample Type	Size(mm×mm)	Weight (g)	Conditioning
SA-160	400 × 400	1015	Normal Temperature and Humidity

Test Results

Shot No.	Velocity(m/s)	Angle of Incidence ( ° )	Results	BFS Depth(mm)
1	431.7	0	Stop	38.4
2	433.6	0	Stop	31.2
3	435.8	0	Stop	37.6
4	440.7	+30	Stop	30.1
5	430.8	-45	Stop	21.6
6	429.4	0	Stop	32.7
	Blank			
Remarks	Clay Drops: 19.8mm, 18.2mm, 20.0mm, 18.6mm, 17.6mm.			

Tested By: Wang Wei

Checked By: Wang Rui



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**Attached Pictures**



**Fig. 1 Armor Panel SA-160 (strike face)**



**Fig. 2 Armor Panel SA-160 (wear face)**

## (KT-753) Product Technical Data Sheet

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<b>Product name</b>	KT-753
<b>Material</b>	UHMWPE
<b>Level</b>	NIJ IIIA .44 Magnum
<b>Color</b>	White
<b>Density</b>	5.8 G/M <sup>2</sup>
<b>Thickness</b>	6MM