

Cert. No: LF20210187



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中国认可
国际互认
检测
TESTING
CNAS L0269

Certificate of Test

Client: Hebei Kunteng Security Technology Co., Ltd

Address: Xiakou Town, Fucheng County, Hengshui City, Hebei, China

Sample Name: Bulletproof Vest

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


Mar.01.2021

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Sample Name	Bulletproof Vest	Test Type	Consignation Test
Client	Hebei Kunteng Security Technology Co., Ltd	Address	Xiakou Town, Fucheng County, Hengshui City, Hebei, China
Contact Person	Chang Weiyan	Phone	13833860656
Date Received	01/25/2021	Date Tested	02/03/2021
Sample Amount	1	Sample No.	1#, 3#
Test Standard	NIJ 0101.04 Ballistic Resistance of Personal Body Armor IIIA /9mm FMJ RN		
Evaluation Criterion	NIJ 0101.04 Ballistic Resistance of Personal Body Armor IIIA /9mm FMJ RN		
Categories	Ballistic Resistance		
Test Conclusion	<p>The Bulletproof Vest provided by Hebei Kunteng Security Technology Co., Ltd was tested according with NIJ 0101.04 IIIA (9mm FMJ RN). Under normal temperature and humidity, no perforation occurs after 6 fair shots at the samples 1# and 3# separately with 9mm FMJ RN, the maximum BFS depth of the sample 1# is 24.9mm and the maximum BFS depth of the sample 3# is 24.2mm, no Backface Signature (BFS) depth exceeds 44mm. The results show that the ballistic resistance of the samples satisfy the requirements of NIJ 0101.04 Level IIIA (9mm FMJ RN) .</p> <p>Laboratory configuration, sample description and test results are showed from Page 2 to 6.</p>		
<p>Physical and Chemical Inspection Center in Non-metals Material of Ordnance Industries</p> <p style="color: red; font-weight: bold;">Mar.01.2021</p> 			
Prepared By:	<i>GaoBo</i>	Reviewed By:	<i>Fangyang</i>
		Approved By:	<i>Longjin</i>

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Laboratory Configuration	
Test Unit	Physical and Chemical Inspection Center in Non-metals Material of Ordnance Industries
Ambient Test Conditions	Temperature: 18°C; Relative Humidity:60%
Setup	Weapons: Ballistic Barrel Bullets: 9mm FMJ RN Electrical chronometer (No.:6015) Meter Rule (No.:LS02061) Vernier Caliper (No.:15120401) Electronic Balance(No.:F40604303)
Test Range	5m
Distance from Measuring Point to Target	2m
Sample Description	
Sample No.	Configuration
1#	24 layers PE UD + 1 layer 0.5mm PC + 1 layer 5mm foam
3#	24 layers Aramid UD + 1 layer 0.5mm PC + 1 layer 5mm foam
Remarks	※ Client requirements: Every backface signature (BFS) depth of fair shots should be measured.

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Results of Ballistic Resistance Test

Sample Parameters				
Sample No.	Size(mm×mm)	Weight (g)	Conditioning	
1#	400 × 400	824	Normal Temperature and Humidity	
Test Results				
Shot No.	Velocity(m/s)	Angle of Incidence (°)	Results	BFS Depth(mm)
1	431.8	0	Stop	23.7
2	433.1	0	Stop	24.5
3	443.2	0	Stop	24.9
4	429.5	+30	Stop	15.6
5	440.3	-30	Stop	12.3
6	444.3	0	Stop	23.6
	Blank			
Remarks	Clay Drops: 17.6mm, 18.5mm, 19.4mm, 18.2mm, 17.8mm.			

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Results of Ballistic Resistance Test

Sample Parameters				
Sample No.	Size(mm×mm)	Weight (g)	Conditioning	
3#	400 × 400	994	Normal Temperature and Humidity	
Test Results				
Shot No.	Velocity(m/s)	Angle of Incidence (°)	Results	BFS Depth(mm)
1	443.9	0	Stop	22.5
2	432.8	0	Stop	24.2
3	434.0	0	Stop	21.6
4	444.4	+30	Stop	12.9
5	440.7	-30	Stop	11.5
6	444.6	0	Stop	18.3
	Blank			
Remarks	Clay Drops: 17.6mm, 18.5mm, 19.4mm, 18.2mm, 17.8mm.			

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Attached Pictures

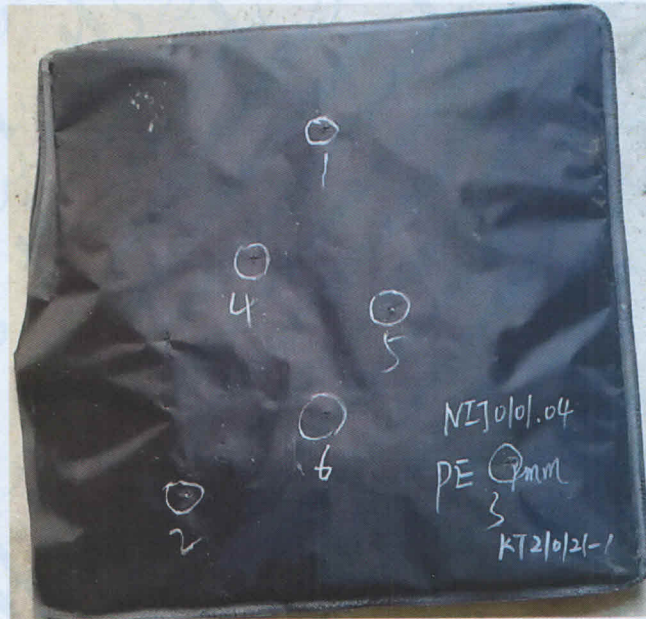


Fig. 1 Bulletproof Vest 1# (strike face)



Fig. 2 Bulletproof Vest 1# (wear face)

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Attached Pictures

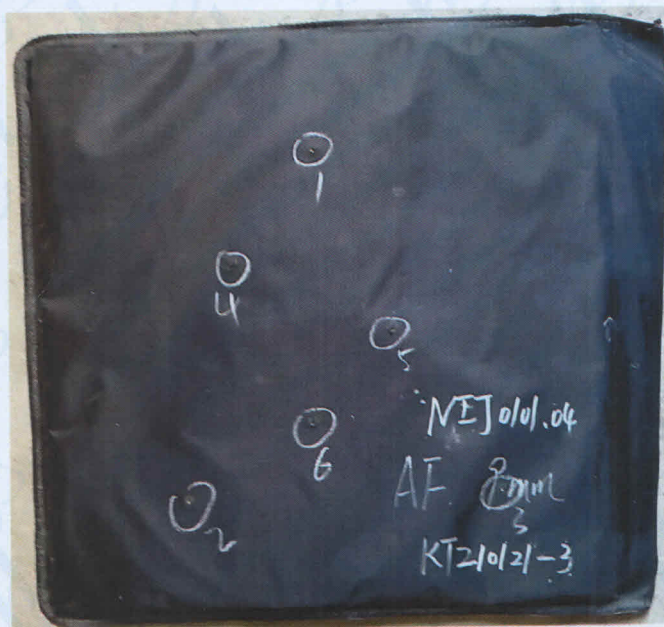


Fig. 3 Bulletproof Vest 3# (strike face)



Fig. 4 Bulletproof Vest 3# (wear face)