



Ballistic Resistance – Test Report

Client:	Patriot Armor, Inc. Attention: Ken O'Neill 220 Thirteenth St. SW Unit #1 Largo, FL 33770
Report date:	23 June 2016
Job number:	000005881
Test procedure and supporting documentation:	Per Customer Instructions NIJ-STD-0101.06, Level III (Modified)
Sample receipt, identification information, and disposition:	The sample(s) were received on 21 June 2016 via UPS. Sample item(s) were identified as proprietary armor. The test sample(s) were inspected prior to testing and no anomalies were discovered. Sample(s) will be discarded after testing, unless otherwise instructed.
Test date(s) and location:	Testing commenced on 22 June 2016 , at the H.P. White Laboratory, Inc. facilities located at 3114 Scarboro Road, Street, Maryland. Testing concluded on 22 June 2016 .
Report prepared by:	Ashley Gowland, Customer Operations Coordinator
Report reviewed by:	Wesley Mason, Manager of Technical Operations - Hard Armor
Revision number and date:	NA
Test data transmittal method and storage location:	This test report and test data were transmitted via email in a manner compliant with ISO 17025 requirements. Permanent electronic and hardcopy files are maintained in accordance with HPWL data storage policy on data storage systems, filed by job number.
Disclaimer:	Testing was performed on sample(s) provided by the client. H.P. White Laboratory, Inc. holds no responsibility for sample selection methods. This report is based on data obtained from testing only the sample(s) submitted, and should NOT be interpreted as an endorsement by H.P. White Laboratory, Inc. of the continuing quality or performance of any other items of the same, or similar, design. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. This testing was performed by H.P. White Laboratory, Inc. to client specification, and the test results are the property of the client, who holds all rights of reproduction or publication of this report and related test data.
International control statement:	Information contained herein may be subject to the Export Administration Regulations, the Arms Export Control Act and/or the International Traffic in Arms Regulations. These commodities may not be resold, diverted, transferred, made available to, or otherwise disposed of, to any other country or to any person other than the authorized end-user or consignee(s), either in their original form or after being incorporated into other end-items, without first obtaining approval from the U.S. Government.

Test Procedures

Ballistic Testing: All testing was conducted on an indoor range at ambient conditions, in accordance with your instructions and the modified provisions of NIJ-STD-0101.06, Level III. Testing was conducted using caliber 7.62mm, 149 grain, M80, Ball ammunition. The test sample was positioned 50.3 feet from the muzzle of the barrel to produce zero (0°) degree obliquity impacts. Photoelectric infrared screens were located at 39.5 feet and 44.5 feet which, in conjunction with electronic chronographs, were used to compute bullet velocities at 42.0 feet forward of the muzzle. Table I provides a summary of information on the attached data record(s).

Table I: Ballistic Resistance, Summary of Results

Test Sample			Set-Up			Results			
Sample No.	Thickness (in.)	Weight (lbs.)	Caliber	Obliquity	Shots	Velocity (fps)		Deformation(s) (mm)	
						Max	Min	Max	Min
SAMPLE-1	NA	8.5	7.62, M80	0°	6	2790	2773	29 / 20	

Report prepared by:



Ashley Gowland
Customer Operations Coordinator

Report reviewed by:



Wesley Mason
Manager of Technical Operations - Hard Armor

**TEST PANEL**

Manufacturer : Patriot Armor, INC.

Size : 10x12 in.

Thicknesses : NA

Avg. Thick. : NA

Description : PROPRIETARY

Sample No. : SAMPLE 1

Weight : 8.5 lbs.

Hardness : NA

Plies/Laminates : N/A

Date Rec'd. : 6/21/2016

Via : UPS

Returned : N/A

SET-UP

Shot Spacing : NIJ-STD-0101.06 LEVEL III

Witness Panel : CLAY

Obliquity : 0 deg.

Backing Material : 5.5" CLAY/PLYWOOD

Conditioning : AMBIENT

Primary Vel. Screens : 39.5 ft., 44.5 ft.

Primary Vel. Location : 42.0 ft. From Muzzle

Residual Vel. Screens : NA

Residual Vel. Location : NA

Range to Target : 50.3 ft.

Target to Wit. : 0.0 in.

Range No. : 1

Temp. : 70 F

BP : 30.36 in. Hg

RH : 46%

Barrel No./Gun : 308/R1

Gunner : WOODIE

Recorder : FULK

AMMUNITION

(1) : 7.62mm Ball, M80, 149 gr.

(2) :

(3) :

(4) :

Lot No. : UNKNOWN

Lot No. :

Lot No. :

Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

(1) : NIJ-STD-0101.06 LEVEL III (MODIFIED)

(2) : PRE TEST CLAY DROPS: 18mm, 19mm, 20mm, 19mm, 20mm

(3) : PRE TEST CLAY TEMP: 100.1 F

Shot No.	Ammo.	Time 1 (usec)	Velocity 1 (ft/s)	Time 2 (usec)	Velocity 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Footnotes
1	1	1803	2773	1803	2773	2773	None	DEF. 20mm
2	1	1802	2775	1802	2775	2775	None	DEF. 29mm
3	1	1799	2779	1794	2787	2783	None	
4	1	1794	2787	1794	2787	2787	None	
5	1	1799	2779	1794	2787	2783	None	
6	1	1794	2787	1790	2793	2790	None	

REMARKS :**FOOTNOTES :**