

11 November 2015

Armasure Limited
23 Palmerston Way
Gosport, HA
P012 2LY

Attention: Mr. Robert Thompson

Subject: Armasure Limited, Armor Protection Ballistic Resistance Test: Job No. 3712-003, Tested
4 November 2015, Purchase Order No. Pre-paid

Dear Mr. Thompson:

Please find enclosed a report documenting the subject test series conducted by Chesapeake Testing on
4 November 2015. This report includes a detailed shot record for the armor sample tested.

If you have any questions related to this test, please call Mr. Craig Thomas at 410-297-8154 or contact
him via e-mail at craig.thomas@chesapeaketesting.com.

Sincerely,



Chris Schueler
VP Operations, Chesapeake Testing

jmt

Enc. a/s

This report shall not be used to claim product certification, approval or endorsement. The results of the testing relate only to the samples submitted for testing and are not representative of a complete model or lot. This test report shall not be interpreted as an endorsement by Chesapeake Testing as to the continued quality or performance of any items of the same or similar design.

The information contained in this report may be subject to the provisions of the Export Administration Act (50 USC 2401 et seq.), the Export Administration Regulations (15 CFR 768-799), or the U.S. Arms Export Control Act (22USC 2778 et seq.) and the International Traffic in Arms Regulations (22 CFR 120-130). These statutes and regulations impose restrictions on import, export and transfer to foreign entities and persons, whether within the U.S. or abroad, of certain data and articles without approved licenses from the U.S. Department of State and/or the U.S. Department of Commerce.

Chesapeake Testing is an independent testing facility and has no affiliation with Armasure Limited.

ARMASURE LIMITED PROPRIETARY INFORMATION



POC: Mr. Robert Thompson
Purchase Order No.: Pre-paid
Test Date: 11/4/2015
Job No. 3712-003

**Armasure Limited,
Armor Protection Ballistic Resistance Test**

Prepared by:

**Craig A. Thomas
Justine M. Tambourine**

Chesapeake Testing
*4603B Compass Point Road
Belcamp, MD 21017*

11 November 2015

***Further dissemination only as directed by
Armasure Limited, November 2015.***

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ARMASURE LIMITED PROPRIETARY INFORMATION

BALLISTIC RESISTANCE TEST

Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: Armasure Limited

Job No.: 3712-003-1

Test Date: 11/4/2015

Test Panel

Description: Helmet, Model No: AS44F (FAST)

Manufacturer: Armasure Limited

Sample No.: 20150930AS44F22

Size: L/XL
Avg. Thick: 0.351 in
Thickness: 0.354 in; 0.350 in;
0.352 in; 0.347 in

Weight: 3.63 lbs
Plies/Laminates: NA

Date Received: 11/2/2015
Via: DHL
Returned: DHL

Setup

Shot Spacing: NIJ-STD-0106.01
Witness Panel: Clay
Obliquity: 0.0°
Backing Material: Clay-filled head form
Condition: Ambient

Primary Vel. Screens (ft): 6.500, 9.500
Primary Vel. Location (ft): 8.000
Range to Target (ft): 16.400
Target to Witness (in): 0.000

Range No.: 2
Temp: 67.8 °F
BP: 30.2 inHg
RH: 38.6%
Barrel/Gun: CT-3108
Gunner: M. Contreras
Recorder: Ramon Chavez

Ammunition

Projectile	Lot No.	Powder
(1) .44-mag., 240-grain SWC	Speer	IMR 4227

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 7:45 AM; Block No. HB-3; Temp.: 96.5 °F, 96.3 °F; Drop Depths: 24.3mm,23.5mm,23.7mm

(1) NIJ-STD-0106.01 (modified)

(2) Customer request

Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Deformation (mm)	Footnotes
1	1	239.8	2046	1466	2051	1463	1464	None	29.9	(a)
2	1	240.5	2181	1376	2187	1372	1374	None	28.5	(b)
3	1	240.5	2219	1352	2226	1348	1350	None	24.2	(c)
4	1	240.1	2160	1389	2165	1386	1387	None	26.9	(d)

Remarks:

Required velocity: 1350 to 1450 ft/s

The sample was mounted to a head form in 'as worn' condition including internal padding.

Standoff from the shell to clay witness was approximately 30mm.

Footnotes:

(a) Front

(b) Back

(c) Left

(d) Right