

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: Hardwire LLC
Job No.: 2084-109-2
Test Date: 2/16/2017

Test Panel

Description: Torso plate; Model No.: 007-015-3000, Part No.: 007-015-3200, Lot No.: 1626-0170

Manufacturer: Hardwire, LLC

Sample No.: 1626 003A 042468

Size: 10.00 x 12.00 in
Avg. Thick: NA
Thickness: NA

Weight: 3.07 lbs
Plies/Laminates: NA

Date Received: 2/15/2017
Via: FedEx
Returned: FedEx

Setup

Shot Spacing: NIJ-STD-0101.06 Level III
Witness Panel: Clay
Backing Material: 5.5-in clay/plywood
Condition: Ambient

Primary Vel. Screens (ft): 37.000, 37.333,
46.667, 47.000
Primary Vel. Location (ft): 42.000
Range to Target (ft): 50.200
Target to Witness (in): 0.000

Range No.: 5
Temp: 67.4 °F
BP: 29.5 inHg
RH: 32.2%
Barrel/Gun: CT-4016
Gunner: J. Thomas
Recorder: Lance Eveland

Ammunition

Projectile	Lot No.	Powder
(1) 7.62 x 39-mm, 123-grain PS Ball	Russian	N 110

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 9:15 AM; Block No. 9; Temp: 92.6°F; Drop Depths: 19.3mm,19.1mm,17.9mm,16.4mm,17.8mm
(1) NIJ-STD-0101.06 Level III (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)	Obliq. (°)	Footnotes
1	1	122.7	4266	2344	3976	2347	2346	None	26.1	0.0	
2	1	122.1	4230	2364	3941	2368	2366	None	28.2	0.0	
3	1	122.2	4220	2370	3937	2371	2370	None	NA	0.0	
4	1	123.1	4230	2364	3944	2366	2365	None	NA	0.0	
5	1	122.6	4232	2363	3946	2365	2364	None	NA	0.0	
6	1	122.9	4230	2364	3941	2368	2366	None	NA	0.0	

Remarks:

Required velocity: 2350 ±50 ft/s

Footnotes: