

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: Hardwire LLC

Job No.: 2084-109-4

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 042498

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

Weight: 2.98 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: 67.2 °F
BP: 29.5 inHg
RH: 32.1%
Barrel/Gun: CT-4002
Gunner: J. Thomas
Recorder: Lance Eveland

Ammunition

Projectile	Lot No.	Powder
(1) 5.56 x 45-mm, 55-grain M193 Ball	Military	N 110

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 9:42 AM; Block No. 9; Temp: 91.7°F; Drop Depths: 18.9mm,19.3mm,18.1mm,17.3mm,17.5mm

(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	54.6	3197	3128	2985	3127	3127	None	21.1	0.0	
2	1	54.7	3177	3148	2965	3148	3148	None	26.7	0.0	
3	1	54.8	3175	3150	2963	3150	3150	None	NA	0.0	
4	1	55.0	3207	3118	2992	3119	3119	None	NA	0.0	
5	1	54.4	3168	3157	2953	3161	3159	None	NA	0.0	
6	1	54.9	3180	3145	2965	3148	3146	None	NA	0.0	

Remarks:

Required velocity: 3150 ±50 ft/s

Footnotes: