

BALLISTIC RESISTANCE TEST

Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: Longfri Technologies Co
Job No.: 2540-010-1
Test Date: 2/3/2016

Test Panel

Description: Proprietary.

Manufacturer: Longfri Technologies Co

Sample No.: 1- Front

Size: C5
Avg. Thick: NA
Thickness: NA

Weight: 2.09 lbs
Plies/Laminates: NA

Date Received: 2/2/2016
Via: USPS
Returned: FedEx

Setup

Shot Spacing: NIJ-STD-0101.06 Level IIIA (modified)
Witness Panel: Clay
Backing Material: 5.5-in clay/plywood
Condition: Wet per NIJ-STD-0101.06

Primary Vel. Screens (ft): 6.500, 6.833, 11.166, 11.500
Primary Vel. Location (ft): 9.000
Range to Target (ft): 17.200
Target to Witness (in): 0.000

Range No.: 2
Temp: 68.1 °F
BP: 29.9 inHg
RH: 36.3%
Barrel/Gun: CT-3106
Gunner: Fritz Boniface
Recorder: M. Contreras

Ammunition

Projectile	Lot No.	Powder
(1) .357-cal., 125-grain SIG FMJ FN	Speer 4362	Lovex D032-03
(2) .44-mag., 240-grain SJHP	Speer 4453	Accurate No. 5

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 8:00 AM; Block No. 23; Temp: 95.4°F; Drop Depths: 19.6 mm, 20.6 mm, 20.4 mm, 21.0 mm, 21.0 mm
Clay Drop 2 - Drop Time: 8:20 AM; Block No. 23; Temp: 95.2°F; Drop Depths: 21.2 mm, 19.4 mm, 21.4 mm, 19.1 mm, 20.7 mm
(1) NIJ-STD-0101.06 Level IIIA (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	123.2	3435	1456	2981	1454	1455	None	29.4	0.0	
2	1	124.2	3416	1464	2965	1461	1463	None	27.6	0.0	
3	1	125.1	3422	1461	2970	1459	1460	None	28.0	0.0	
4	2	239.3	3498	1429	3035	1428	1429	None	34.4	0.0	
5	2	239.3	3479	1437	3019	1435	1436	None	37.3	0.0	
6	2	239.7	3469	1441	3011	1439	1440	None	39.7	0.0	

Remarks:

Required Velocity 357 Sig: 1470 ± 30 ft/s.
Required Velocity .44 Mag: 1430 ± 30 ft/s.
Clay Drops 1 was taken for .357 Sig shots.
Clay Drops 2 was taken for .44 Mag shots.

Footnotes: