

BALLISTIC RESISTANCE TEST

Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: Longfri Technologies Co
Job No.: 2540-015-1
Test Date: 5/2/2016

Test Panel

Description: Proprietary

Manufacturer: Longfri Technologies Co

Sample No.: No.1

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

Weight: 3.67 lbs
Plies/Laminates: NA

Date Received: 4/29/2016
Via: UPS
Returned: UPS

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.: 1
Temp: 68.3 °F
BP: 29.8 inHg
RH: 43.4%
Barrel/Gun: CT-3098
Gunner: Jason Siverd
Recorder: J. McDowell

Ammunition

Projectile	Lot No.	Powder
(1) 7.62 x 51-mm, 149-grain M80 FMJ	Military	N133

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 10:00 AM; Block No.: 14; Temp.: 92.3 °F; Drop Depths: 17.2 mm, 17.7 mm, 17.9 mm, 17.0 mm, 17.9 mm
(1) NIJ-STD-0101.06 Level III (modified)

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	148.1	3586	2789	3346	2789	2789	None	39.4	0.0	
2	1	147.8	3578	2795	3342	2793	2794	None	40.1	0.0	
3	1	148.0	3580	2793	3341	2794	2793	None	49.1	0.0	
4	1	147.9	3612	2769	3372	2768	2768	None	45.0	0.0	
5	1	148.0	3590	2786	3349	2787	2786	None	47.2	0.0	
6	1	148.1	3575	2797	3338	2796	2797	None	37.2	0.0	

Remarks:

Required velocity: 2780 ±30 ft/s

Footnotes: