

# BALLISTIC RESISTANCE TEST

## Chesapeake Testing

4603B Compass Point Road  
Belcamp, MD 21017

Client: American Blast Systems  
Job No.: 2538-010-1  
Test Date: 2/10/2016

## Test Panel

Description: Proprietary, Rigid panel

Sample No.: NIJ III Shield

Size: 18.00 x 30.00 in  
Avg. Thick: 0.680 in  
Thickness: 0.662 in; 0.677 in;  
0.690 in; 0.690 in

Weight: 13.22 lbs  
Plies/Laminates: NA

Date Received: 2/1/2016  
Via: FedEx  
Returned: UPS

## Setup

Shot Spacing: NIJ-STD-0108.01 Level III  
Witness Panel: 0.02 in 2024-T3 Al  
Backing Material: NA  
Condition: Ambient

Primary Vel. Screens (ft): 6.500, 9.500  
Primary Vel. Location (ft): 8.000  
Range to Target (ft): 50.000  
Target to Witness (in): 6.000

Range No.: 6  
Temp: 62.7 °F  
BP: 29.6 inHg  
RH: 30.6%  
Barrel/Gun: CT-4006  
Gunner: J. McDowell  
Recorder: S. McDowell

## Ammunition

Projectile

Lot No.

Powder

(1) 7.62 x 51-mm, 149-grain M80 FMJ

Military

N133

## Applicable Standards or Procedures

- (1) NIJ-STD-0108.01 Level III
- (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	Obliq. (°)	Footnotes
1	1	149.0	1088	2757	1090	2752	2755	None	0.0	
2	1	148.1	1078	2783	1078	2783	2783	None	0.0	
3	1	147.8	1078	2783	1080	2778	2780	None	0.0	
4	1	147.6	1088	2757	1090	2752	2755	None	0.0	
5	1	148.5	1076	2788	1078	2783	2786	None	0.0	

### Remarks:

Requested starting velocity: 2750 ±50 ft/s

### Footnotes: