

# BALLISTIC RESISTANCE TEST

## Chesapeake Testing

121 Bata Boulevard, Suite F  
Belcamp, MD 21017

Client: [REDACTED]  
Job No.: CD01-2010-R01BRT-21935  
Test Date: 4/5/2010

**Test Panel** Description: Kevlar 15x15"x9 ply

**Manufacturer:** Infinity Composites

**Sample No.:** Kevlar 15x15"x9 ply

Size: 15 x 15 in.  
Thickness: 0.148 in; 0.145 in;  
0.142 in; 0.146 in  
Avg. Thick: 0.145 in

Heat No.: NA  
Weight: 1.48 lbs  
Hardness: NA  
Plies/Laminates: 9

Date Received: 4/5/2010  
Via: FedEx  
Returned: FedEx

## Setup

Shot Spacing: Per NIJ-STD-0108.01  
Level II  
Witness Panel: 0.02 in 2024-T3 Al  
Obliquity: 0°  
Backing Material: NA  
Condition: Dry

Primary Vel. Screens: 6.5 ft, 9.5 ft  
Primary Vel. Location: 8 ft  
Range to Target: 16.5 ft  
Target to Witness: 6 in

Range No.: 2  
Temp: 72 °F  
BP: 30.03 inHg  
RH: 47%  
Barrel/Gun: CDS-0210  
Gunner: B Shaffer  
Recorder: J. Murray

## Ammunition

Projectile	Lot No.	Powder
(1) .357-mag., 158-grain JSP	Lot No. : Remington 22847	Accurate No. 2

## Applicable Standards or Procedures

- (1) NIJ-STD-0108.01 Level II
- (2) Per customer request

Shot No.	Ammo	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Footnotes
1	1	2119	1416	2121	1414	1415	None	
2	1	2113	1420	2115	1418	1419	None	
3	1	2116	1418	2119	1416	1417	None	
4	1	2089	1436	2092	1434	1435	None	
5	1	2101	1428	2104	1426	1427	None	

Remarks:  
Requested velocity: 1400 +/- 50 fps

Footnotes: