

# BALLISTIC RESISTANCE TEST

## Chesapeake Testing

4603B Compass Point Road  
Belcamp, MD 21017

Client: Hardwire, LLC  
Job No.: 2084-012-3  
Test Date: 3/8/2013

### Test Panel

Description: Rigid armor panel

Manufacturer: Hardwire, LLC

Sample No.: 44 mag-1

Size: 18.00 x 20.00 in  
Thickness: 0.197 in; 0.198 in;  
0.198 in; 0.197 in  
Avg. Thick: 0.198 in

Heat No.: NA  
Weight: 3.03 lbs  
Hardness: NA  
Plies/Laminates: NA

Date Received: 3/5/2013  
Via: FedEx  
Returned: FedEx

### Setup

Shot Spacing: NIJ-STD-0108.01 Level IIIA  
Witness Panel: 0.02 in 2024-T3 Al  
Obliquity: 0.0°  
Backing Material: NA  
Condition: Ambient

Primary Vel. Screens (ft): 6.500, 6.833,  
9.166, 9.500  
Primary Vel. Location (ft): 8.000  
Range to Target (ft): 16.400  
Target to Witness (in): 6.000

Range No.: 3  
Temp: 66.7 °F  
BP: 30 inHg  
RH: 30.6%  
Barrel/Gun: CT-3003  
Gunner: Joe Moore  
Recorder: John Murray

### Ammunition

Projectile	Lot No.	Powder
(1) .44-mag., 240-grain SWCGC	Remington 22885	Accurate No. 5

### Applicable Standards or Procedures

(1) NIJ-STD-0108.01 Level IIIA

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	2042	1469	1588	1469	1469	None	
2	1	2064	1453	1604	1454	1454	None	
3	1	2055	1460	1598	1460	1460	None	
4	1	2055	1460	1598	1460	1460	None	
5	1	2042	1469	1588	1469	1469	None	

Remarks:

Footnotes:

# BALLISTIC RESISTANCE TEST

## Chesapeake Testing

4603B Compass Point Road  
Belcamp, MD 21017

Client: Hardwire, LLC  
Job No.: 2084-012-1  
Test Date: 3/8/2013

## Test Panel

Description: Rigid armor panel

Manufacturer: Hardwire, LLC

Sample No.: 9mm-1

Size: 18.00 x 20.00 in  
Thickness: 0.198 in; 0.198 in;  
0.196 in; 0.199 in  
Avg. Thick: 0.198 in

Heat No.: NA  
Weight: 3.03 lbs  
Hardness: NA  
Plies/Laminates: NA

Date Received: 3/5/2013  
Via: FedEx  
Returned: FedEx

## Setup

Shot Spacing: NIJ-STD-0108.01 Level IIIA  
Witness Panel: 0.02 in 2024-T3 Al  
Obliquity: 0.0°  
Backing Material: NA  
Condition: Ambient

Primary Vel. Screens (ft): 6.500, 6.833,  
9.166, 9.500  
Primary Vel. Location (ft): 8.000  
Range to Target (ft): 16.400  
Target to Witness (in): 6.000

Range No.: 3  
Temp: 66.7 °F  
BP: 30 inHg  
RH: 31.4%  
Barrel/Gun: CT-3003  
Gunner: Joe Moore  
Recorder: John Murray

## Ammunition

Projectile	Lot No.	Powder
(1) 9-mm, 124-grain FMJ	Remington 23558	Accurate No. 2

## Applicable Standards or Procedures

(1) NIJ-STD-0108.01 Level IIIA

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	2027	1480	1576	1480	1480	None	
2	1	2027	1480	1576	1480	1480	None	
3	1	2028	1479	1577	1479	1479	None	
4	1	2038	1472	1585	1472	1472	None	
5	1	2034	1475	1582	1475	1475	None	

Remarks:

Footnotes: