

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: Cop Shield USA, Corp
Job No.: 21391-003-1
Test Date: 11/15/2019

Test Panel

Description: Shield

Manufacturer: Cop Shield USA, Corp

Sample No.: 9mm

Size: 18.00 x 28.00 in
Avg. Thick: 0.200 in
Thickness: 0.190 in; 0.200 in;
0.206 in; 0.204 in

Weight: 5.71 lbs
Plies/Laminates: NA

Date Received: 11/14/2019
Via: Hand Carried
Returned: Hand Carried

Setup

Shot Spacing: NIJ-STD-0108.01 Level IIIA
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): 16.400
Target to Witness (in): 6.000

Range No.: 1
Temp: 70.1 °F
BP: 29.9 inHg
RH: 42.0%
Barrel/Gun: Test Barrel
Gunner: Blake Ellis
Recorder: Lance Eveland

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
- (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	124.0	2137	1404	2140	1402	1403	None	0.0	
2	1	124.0	2120	1415	2123	1413	1414	None	0.0	
3	1	124.0	2086	1438	2086	1438	1438	None	0.0	
4	1	124.0	2079	1443	2079	1443	1443	None	0.0	
5	1	124.0	2084	1440	2084	1440	1440	None	0.0	(a)

Remarks:

Required velocity: 1400 ±50 ft/s

Footnotes:

(a) The projectile impacted on the bolt.

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: Cop Shield USA, Corp
Job No.: 21391-003-2
Test Date: 11/15/2019

Test Panel

Description: Shield.

Manufacturer: Cop Shield USA, Corp

Sample No.: 44 Mag SWCGC

Size: 18.00 x 28.00 in
Avg. Thick: 0.200 in
Thickness: 0.190 in; 0.200 in;
0.206 in; 0.204 in

Weight: 5.71 lbs
Plies/Laminates: NA

Date Received: 11/14/2019
Via: Hand Carried
Returned: Hand Carried

Setup

Shot Spacing: NIJ-STD-0108.01 Level IIIA
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): 16.400
Target to Witness (in): 6.000

Range No.: 1
Temp: 70.1 °F
BP: 29.9 inHg
RH: 42.0%
Barrel/Gun: Test Barrel
Gunner: Blake Ellis
Recorder: Lance Eveland

Ammunition

Projectile	Lot No.	Powder
(1) .44-mag., 240-grain SWCGC	Rim Rock Bullets	HP-38

Applicable Standards or Procedures

- (1) NIJ-STD-0108.01 Level IIIA
- (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	240.0	2123	1413	2125	1412	1412	None	0.0	
2	1	240.0	2135	1405	2140	1402	1404	None	0.0	
3	1	240.0	2123	1413	2125	1412	1412	None	0.0	
4	1	240.0	2135	1405	2135	1405	1405	None	0.0	
5	1	240.0	2145	1399	2145	1399	1399	None	0.0	(a)

Remarks:

Required velocity: 1400 ±50 ft/s
The sample was previously impacted 5 times with 9mm during Job No. 21391-003-1.

Footnotes:

(a) The projectile impacted on the bolt.

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: Cop Shield USA, Corp
Job No.: 21391-003-3
Test Date: 11/19/2019

Test Panel

Description: Shield.

Manufacturer: Cop Shield USA, Corp

Sample No.: 44 Mag seam shot

Size: 18.00 x 28.00 in
Avg. Thick: 0.200 in
Thickness: 0.190 in; 0.200 in;
0.206 in; 0.204 in

Weight: 5.71 lbs
Plies/Laminates: NA

Date Received: 11/14/2019
Via: Hand Carried
Returned: Hand Carried

Setup

Shot Spacing: NIJ-STD-0108.01 Level IIIA
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): 16.400
Target to Witness (in): 6.000

Range No.: 4
Temp: 68.0 °F
BP: 29.6 inHg
RH: 37.1%
Barrel/Gun: Test Barrel
Gunner: Joey Gerdes
Recorder: Jacob Arisman

Ammunition

Projectile	Lot No.	Powder
(1) .44-mag., 240-grain SWCGC	Rim Rock Bullets	HP-38

Applicable Standards or Procedures

- (1) NIJ-STD-0108.01 Level IIIA
- (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	241.9	2106	1425	2091	1435	1430	None	0.0	(a)

Remarks:

Required velocity: 1400 ±50 ft/s
The sample was previously impacted 5 times with 44 Mag SWCGC during Job No. 21391-003-2.

Footnotes:

- (a) The projectile impacted on the seam.