

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client:

Job No.: 21313-010

Test Date: 9/1/2020

Test Panel

Description: Rigid aramid panel.

Manufacturer: Automotive Armor Manufacturing, Inc.

Sample No.: UD1-2 (44 Mag, 9mm V0)

Size: 16.00 x 16.00 in
Avg. Thick: 0.115 in
Thickness: 0.117 in; 0.113 in;
0.115 in; 0.116 in

Weight: 1.38 lbs
Plies/Laminates: NA

Date Received: 8/31/2020
Via: UPS
Returned: UPS

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.: 6
Temp: 68.0 °F
BP: 29.9 inHg
RH: 48.3%
Barrel/Gun: NA
Gunner: Joey Gerdes
Recorder: Josh Petty

Ammunition

Projectile	Lot No.	Powder
(1) .44-mag., 240-grain SWCGC (2) 9-mm, 124-grain FMJ	Rim Rock Bullets Remington 23558	HP-38 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	242.2	2084	1440	2084	1440	1440	None	0.0	
2	1	243.9	2110	1422	2105	1425	1423	None	0.0	
3	1	244.2	2092	1434	2092	1434	1434	None	0.0	
4	1	244.0	2110	1422	2110	1422	1422	None	0.0	
5	1	243.9	2079	1443	2075	1446	1444	None	0.0	
6	2	124.6	2106	1425	2108	1423	1424	None	0.0	
7	2	124.3	2106	1425	2106	1425	1425	None	0.0	
8	2	124.4	2067	1451	2069	1450	1451	None	0.0	
9	2	124.4	2089	1436	2089	1436	1436	None	0.0	
10	2	124.5	2130	1408	2130	1408	1408	None	0.0	

Remarks:

Required Velocity: 1350-1450 ft/s
Sample tested in rigid frame.

Footnotes: