

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: Ganex Limited
Project No.: PR251401-2
Test Date: 12/09/2023
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Test Panel | Description: Helmet.

Manufacturer: Ganex Limited

Sample No.: (.44 Mag, V0- Air) 1

Size: Medium
Avg. Thickness: 0.326 in
Thicknesses: 0.329 in, 0.328 in,
0.324 in, 0.323 in

Weight: 2.370 lbs
Plies/Laminates: N/A

Date Received: 12/06/2023
Received Via: UPS Ground
Returned Via: UPS Ground

Setup

Shot Spacing: NIJ-STD-0106.01
Witness Panel: 0.02 in 2024-T3
Aluminum
Backing Material: N/A
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): 3.000

Range No.: Range 5
Temp: 67.6 °F
BP: 30.2 inHg
RH: 41 %
Barrel/Gun: WC024524
Gunner: Gregory Bonilla
Recorder: Joseph Gerdes

Ammunition

Projectile

Lot No.

Powder

(1) .44-mag, 240-grain SWCGC

Rim Rock

IMR 4227

Applicable Standards or Procedures

- (1) NIJ-STD-0106.01 (Modified)
- (2) Customer Request

Shot No.	Ammo	Powder/ Seating	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Obliq. (0)	Footnotes
1	1	11.7	243.6	2108	1423	2111	1421	1422	None	0.0	(a)
2	1	11.7	243.6	2106	1425	2111	1421	1423	None	0.0	(b)
3	1	11.7	243.7	2125	1412	2130	1408	1410	None	0.0	(c)
4	1	11.7	243.7	2133	1406	2137	1404	1405	None	0.0	(d)

Remarks:

Required velocity: 1350-1450 ft/s.
Projectile yaw check: 00 yaw on all impacts.

Footnotes:

- (a) Front
- (b) Back
- (c) Right
- (d) Left