

BALLISTIC RESISTANCE TEST

NTS-Belcamp

4603B Compass Point Road
Belcamp, MD 21017

Client: Tacticon Armament

Project No.: PH00006207

Test Date: 04/21/2023

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Test Panel

Description: Torso plate tested as stand alone.

Manufacturer: Tacticon Armament

Sample No.: (APM2, V0) TAIV-0001

Size: 9.25 x 12.00 in
Avg. Thickness: N/A
Thicknesses: N/A

Weight: 6.100 lbs
Plies/Laminates: N/A

Date Received: 04/11/2023
Received Via: UPS Ground
Returned Via: UPS Ground

Setup

Shot Spacing: NIJ-STD-0101.04
Level IV
Witness Panel: Clay
Backing Material: 5.5-in clay/plywood
Condition: Dropped per NIJ-
STD-0101.06 and
shot dry

Primary Vel. Screens (ft): 37.000, 37.333,
46.666, 47.000
Primary Vel. Location (ft): 42.000
Range to Target (ft): 50.200
Target to Witness (in): 0.000

Range No.: Range 5
Temp: 68.6 °F
BP: 30.4 inHg
RH: 41 %
Barrel/Gun: WC024524
Gunner: Brett Erisman
Recorder: Joseph Gerdes

Ammunition

Projectile	Lot No.	Manufacturer	Powder
(1) .30-06 cal, 166-grain APM2	TW45	Military	N 140

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 1:02 PM; Block No. WC074183; Temp: 89.7 °F; Drop Depths: 20.1 mm, 17.3 mm, 19.8 mm, 19.6 mm, 20.8 mm

(1) NIJ-STD-0101.06 Level IV (Modified)

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	Deformation (mm)	Obliq. (°)	Footnotes
1	1	44.5	149	3468	2884	3238	2882	2883	None	39.2	0	

Remarks:

Required velocity: 2850 - 2910 ft/s.

Projectile Yaw Check: 0° on all impacts.

Footnotes:

N/A