

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: Ace Link Industrial Inc.

Project No.: PR160478-1

Test Date: 06/07/2022

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Test Panel Description: Torso plate. Model no.: B-AP-4-1012-SIC-SC-SA.

Manufacturer: Ace Link Industrial Inc.

Sample No.: 220520-03

Size: 10.00 x 12.00 in
Avg. Thickness: N/A
Thicknesses: N/A

Weight: 6.140 lbs
Plies/Laminates: N/A

Date Received: 06/06/2022
Received Via: UPS Ground
Returned Via: UPS Ground

Setup

Shot Spacing: NIJ-STD-0101.06
Level IV (modified)
Witness Panel: Clay
Backing Material: 5.5-in clay/plywood
Condition: Ambient

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: 68.3 °F
BP: 29.9 inHg
RH: 41.4 %
Barrel/Gun: WC024524
Gunner: Gregory Bonilla
Recorder: Joseph Gerdes

Ammunition

Projectile	Lot No.	Manufacturer	Powder
(1) .30-06 cal, 166-grain APM2	NA	Military	N133

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 2:00 PM; Block No. WC074175; Temp: 91.4 °F; Drop Depths: 18.8 mm, 19.6 mm, 17 mm, 17.7mm, 17.6 mm

- (1) NIJ-STD-0101.06 Level IV (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	Deformation (mm)	Obliq. (°)	Footnotes
1	1	43.3	161.4	3480	2874	3243	2878	2876	None	11.3	0	
2	1	43.4	161.4	3497	2860	3265	2858	2859	None	13.5	0	
3	1	43.5	161.5	3461	2889	3221	2898	2893	None	NA	0	

Remarks:

Required velocity: 2850-2910 ft/s.

Footnotes:

N/A