

BALLISTIC RESISTANCE TEST

NTS-Belcamp
4603B Compass Point Road
Belcamp, MD 21017

Client: Ace Link Industrial Inc.
Project No.: OH000007046-1
Test Date: 12/22/2022
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Test Panel Description: Torso plate tested as stand alone. Model: B-AP-3P-1012-ALU-SC. Material: PE + Ceramic.
Lot No.: 1.

Manufacturer: Ace Link Industrial Inc.

Sample No.: 221206-03

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

Weight: 6.770 lbs
Plies/Laminates: N/A

Date Received: 12/12/2022
Received Via: UPS Ground
Returned Via: UPS Ground

Setup

Shot Spacing: NIJ-STD-0101.06
Level III
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 1
Temp: 65.8 °F
BP: 30.2 inHg
RH: 42.6 %
Barrel/Gun: N/A
Gunner: Justin Long
Recorder: James Eveland

Ammunition

Projectile	Lot No.	Manufacturer	Powder
(1) 7.62 x 39-mm, 123-grain MSC	76-75-21	Chinese	N 110

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 10:00 AM; Block No. WC074193; Temp: 97.5 °F; Drop Depths: 20 mm, 18.8 mm, 20.8 mm, 20.7mm, 17.9 mm

- (1) NIJ-STD-0101.06 Level III (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	21.0	123	4168	2399	3890	2399	2399	None	34.8	0	
2	1	21.0	123	4132	2420	3854	2422	2421	None	23.4	0	
3	1	21.0	123	4128	2422	3851	2424	2423	None	NA	0	
4	1	21.0	123	4176	2395	3900	2393	2394	None	NA	0	
5	1	21.0	123	4144	2413	3871	2411	2412	None	NA	0	
6	1	21.0	123	4129	2422	3857	2420	2421	None	NA	0	

Remarks:

Required Velocity: 2400 ± 30 ft/s.
Projectile yaw check: 0° yaw on all impacts.

Footnotes:

N/A