

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: Ace Link Industrial Inc.

Project No.: PR160162-4

Test Date: 05/27/2022

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Test Panel Description: Torso plate. Model no.: B-AP-3P-1012-SIC-MC.

Manufacturer: Ace Link Industrial Inc.

Sample No.: (M855, V0) B-AP-3P-1012-SIC-MC

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

Weight: 5.900 lbs
Plies/Laminates: N/A

Date Received: 05/26/2022
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 2
Temp: 69.8 °F
BP: 29.8 inHg
RH: 44.2 %
Barrel/Gun: WC078570
Gunner: Keivin Guzman
Recorder: Matt Skrocki

Ammunition

Projectile	Lot No.	Manufacturer	Powder
(1) 5.56 x 45-mm, 62-grain M855	NA	Military	N 110

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 11:15 AM; Block No. WC074192; Temp: 96.4 °F; Drop Depths: 19 mm, 18 mm, 16.9 mm, 19.3 mm, 18.4 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	18.7	62.2	3263	3065	3046	3064	3064	None	15.9	0	
2	1	18.7	62.2	3265	3063	3046	3064	3063	None	19.4	0	
3	1	18.7	62.3	3265	3063	3048	3062	3062	None	NA	0	
4	1	18.7	62.3	3292	3038	3070	3040	3039	None	NA	0	
5	1	18.7	62.4	3260	3067	3046	3064	3066	None	NA	0	
6	1	18.7	61.8	3273	3055	3053	3057	3056	None	NA	0	

Remarks:

Required Velocity: 3030 - 3080 ft./s.

Projectile Yaw Check: 0° Yaw on All Impacts.

Footnotes:

N/A