



4603 Compass Point Road  
Belcamp, MD 21017

# Preliminary Data

# BALLISTIC RESISTANCE TEST

## NTS-Chesapeake Testing

4603B Compass Point Road  
Belcamp, MD 21017

Client: Ace Link Industrial Inc.

Project No.: OP0606829

Test Date: 02/05/2022

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**Test Panel** Description: Helmet. High-Cut.

**Manufacturer:** Ace Link Industrial Inc.

**Sample No.:** (.44 Mag, V0) HL-HC-GRN-L

Size: Large  
Avg. Thickness: 0.320 in  
Thicknesses: 0.324 in, 0.324 in,  
0.317 in, 0.316 in

Weight: 3.160 lbs  
Plies/Laminates: N/A

Date Received: 02/02/2022  
Received Via: UPS Ground  
Returned Via: UPS Ground

## Setup

Shot Spacing: NIJ-STD-0106.01  
Level IIIA  
Witness Panel: 0.02 in 2024-T3 Al  
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 1  
Temp: 66.6 °F  
BP: 30.6 inHg  
RH: 31.5 %  
Barrel/Gun: CDS-191  
Gunner: Chris Peddicord  
Recorder: James Eveland

## Ammunition

Projectile	Lot No.	Manufacturer	Powder
(1) .44 Mag, 240-grain SJHP	NA	Speer	Accurate No. 5

## Applicable Standards or Procedures

- (1) NIJ-STD-0106.01 Level IIIA (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. (°)	Footnotes
1	1	14.8	240.1	2079	1443	2081	1442	1442	None	0	(a)
2	1	14.8	240.9	2074	1446	2076	1445	1446	None	0	(b)
3	1	14.8	240.6	2089	1436	2089	1436	1436	None	0	(c)
4	1	14.8	240.5	2069	1450	2072	1448	1449	None	0	(d)

### Remarks:

Required velocity: 1400-1450 ft/s.  
Projectile yaw check: Less than 3 degree yaw on all impacts.

### Footnotes:

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