

# BALLISTIC RESISTANCE TEST

## NTS-Chesapeake Testing

4603B Compass Point Road  
Belcamp, MD 21017

Client: Ace Link Industrial Inc.  
Job No.: 21369-011-1  
Test Date: 1/2/2020

**Test Panel** Description: Helmet

Manufacturer: Ace Link Industrial Inc. Sample No.: 44 Mag, V0

Size: Large  
Avg. Thick: 0.342 in  
Thickness: 0.350 in; 0.354 in;  
0.323 in; 0.340 in

Weight: 3.21 lbs  
Plies/Laminates: NA

Date Received: 12/24/2019  
Via: DHL  
Returned: DHL

## Setup

Shot Spacing: NIJ-STD-0106.01 Level IIIA  
(Modified)  
Witness Panel: 0.02 in 2024-T3 Al  
Backing Material: NA  
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.: 1  
Temp: 73.2 °F  
BP: 29.7 inHg  
RH: 31.9%  
Barrel/Gun: Test Barrel  
Gunner: Austin Blake  
Recorder: Lance Eveland

## Ammunition

Projectile	Lot No.	Powder
(1) .44-mag., 240-grain SJHP	Speer B02X	Accurate No. 5

## Applicable Standards or Procedures

- (1) NIJ-STD-0106.01 Level IIIA (Modified)
- (2) Customer request

Shot No.	Ammo	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	240.0	2157	1391	2159	1390	1390	None	0.0	(a)
2	1	240.0	2150	1395	2152	1394	1395	None	0.0	(b)
3	1	240.0	2133	1406	2133	1406	1406	None	0.0	(c)
4	1	240.0	2133	1406	2135	1405	1406	None	0.0	(d)
5	1	204.0	2125	1412	2130	1408	1410	None	0.0	(e)

### Remarks:

Required velocity: 1400 ±50 ft/s  
Projectile yaw check: 0° yaw on all impacts.

### Footnotes:

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