

# Element U.S. Space & Defense Test Report for Ballistic Resistance Testing

Project No.: PH00019044A    Tested: 22 May 2026    P.O. No.: Signed Quote OH32494

## Prepared For

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Attention: Jake Ganor

## Prepared By

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Further dissemination only as directed by Adept Incorporated, June 2026.

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**Revision History**

Rev.	Description	Issue Date
0	Initial Release	5 June 2026



ADEPT

# BALLISTIC RESISTANCE TEST

**Element U.S. Space & Defense**  
 4603B Compass Point Road  
 Belcamp, MD 21017

Client: Adept Incorporated  
 Project No.: PH00019044-1  
 Test Date: 05/22/2026  
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**Test Panel** Description: Helmet.

**Manufacturer:** Adept Incorporated

**Sample No.:** (9mm, V0) Helmet Sample

Size: N/A  
 Avg. Thickness: 0.093 in  
 Thicknesses: 0.090 in, 0.085 in,  
 0.097 in, 0.099 in

Weight: 1.820 lbs  
 Plies/Laminates: N/A

Date Received: 04/30/2026

## Setup

Shot Spacing: Customer request  
 Witness Panel: 0.02 in 2024-T3 Al  
 Backing Material: N/A  
 Condition: Ambient

Primary Vel. Screens (ft): 5.000, 5.333,  
 9.666, 10.000  
 Primary Vel. Location (ft): 7.500  
 Range to Target (ft): 15.000  
 Target to Witness (in): 3.000

Range No.: Range 5  
 Temp: 68.6 °F  
 BP: 30.4 inHg  
 RH: 44.1 %  
 Barrel/Gun: WC078568  
 Gunner: Justin Long  
 Recorder: Joseph Gerdes

## Ammunition

Projectile	Lot No.	Manufacturer	Powder
(1) 9-mm, 124-grain FMJ	23558	Remington	Accurate No. 2

## Applicable Standards or Procedures

(1) Customer request

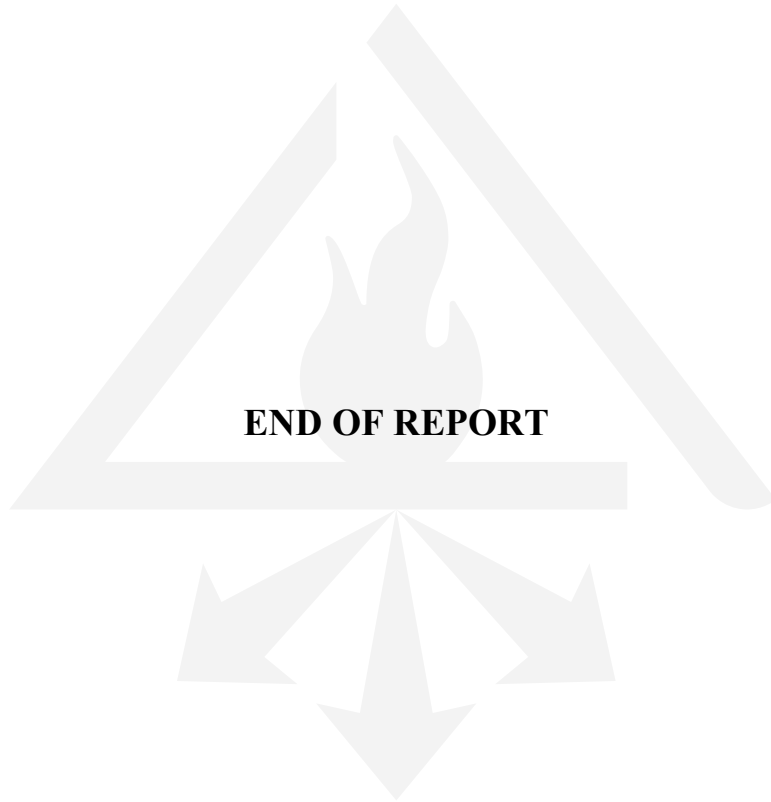
Shot No.	Ammo	Powder/ Seating	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel.2 (ft/s)	Avg. Vel. (ft/s)	Striking Vel. (ft/s)	Penetration	Obliq. ( )	Footnotes
1	1	5.4	124.8	3670.0	1362	3180.0	1363	1362	1353	None	0	(a)

**Remarks:**  
 Requested velocity: 1300 ft/s.  
 Projectile Yaw Check: Less than 3° on all impacts.  
 No size provided by customer.

**Footnotes:**  
 (a) Front

## ATTACHMENT A CALIBRATION DATA

Asset Number	Asset Type	Manufacturer	Model	Calibrated	Due
WC027072	Measurement Tools (Angle Gauge)	SPI	91-316-0	02/24/2026	02/24/2027
WC027147	Meter (Chronograph)	YIS/Cowden Group, Inc	Chrono USB	09/22/2025	09/22/2026
WC067021	Meter (Chronograph)	YIS/Cowden Group, Inc	Chrono-USB (17025)	09/22/2025	09/22/2026
WC075083	Scale (Digital)	RCBS	Charge Master 1500	11/19/2025	11/19/2026
WC078618	Measurement Tools (Tape Measure)	Craftsman	CMHT37525	09/26/2025	09/26/2026
WC079302	Scale (Floor)	Torbal Scales	BA153C	12/18/2025	12/18/2026
WC079394	Gauge (Depth)	Starrett	3753A-6/150	01/19/2026	01/19/2027
EL00003996	Measurement Tools (Tape Measure)	Craftsman	CMHT37525	12/29/2025	12/29/2026
EL00000256	Sensor (Temperature/Humidity)	Onset	MX1101	09/30/2025	09/30/2026
WC079418	Tower (Drop, Penetration)	Chesapeake Testing	NIJ Drop Sphere	09/04/2025	09/04/2026



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