

BALLISTIC RESISTANCE TEST

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

Client: Adept Incorporated
Project No.: PH00007072-1
Test Date: 06/09/2023
Page 1 of 2

Test Panel Description: Torso plate tested stand alone

Manufacturer: Adept Incorporated **Sample No.:** (M855, V0) Sample 1

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

Weight: 3.550 lbs
Plies/Laminates: N/A

Date Received: 06/02/2023
Received Via: FEDEX Ground
Returned Via: FEDEX Ground

Setup

Shot Spacing: NIJ-STD-0101.07
Level RF2
Witness Panel: Clay
Backing Material: 5.5-in clay/plywood
Condition: Ambient

Primary Vel. Screens (ft): 5.000, 5.333,
19.666, 20.000
Primary Vel. Location (ft): 12.500
Range to Target (ft): 25.000
Target to Witness (in): 0.000

Range No.: Range 1
Temp: 70.0 °F
BP: 30.4 inHg
RH: 47 %
Barrel/Gun: WC020650
Gunner: Matthew Schultz
Recorder: Isaiah Lookingbill

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: 2:25 PM; Block No. WC074193; Temp: 91.2 °F; Drop Depths: 20.1 mm, 18.1 mm, 18.5 mm, 20.2 mm, 19.4 mm
(1) NIJ-STD-0101.07 Level RF2 (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	19.2	62.6	4845	3096	4632	3094	3095	None	22.4	0.0	
2	1	19.2	62.1	4796	3128	4586	3125	3126	None	28.3	0.0	
3	1	19.2	62.5	4835	3102	4627	3098	3100	None	26.2	0.0	

Remarks:
Required Velocity: 3085 - 3145 ft/s.
Projectile yaw check: 0° yaw on all impacts.

Footnotes:
N/A

BALLISTIC RESISTANCE TEST

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

Client: Adept Incorporated
Project No.: PH00007072-2
Test Date: 06/09/2023
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Test Panel Description: Torso plate tested stand alone

Manufacturer: Adept Incorporated

Sample No.: (M80, V0) Sample 2

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

Weight: 3.580 lbs
Plies/Laminates: N/A

Date Received: 06/02/2023
Received Via: FEDEX Ground
Returned Via: FEDEX Ground

Setup

Shot Spacing: NIJ-STD-0101.07
Level RF2
Witness Panel: Clay
Backing Material: 5.5-in clay/plywood
Condition: Ambient

Primary Vel. Screens (ft): 5.000, 5.333,
19.666, 20.000
Primary Vel. Location (ft): 12.500
Range to Target (ft): 25.000
Target to Witness (in): 0.000

Range No.: Range 1
Temp: 70.0 °F
BP: 30.2 inHg
RH: 48 %
Barrel/Gun: WC020651
Gunner: Matthew Schultz
Recorder: Isaiah Lookingbill

Ammunition

Projectile	Lot No.	Manufacturer	Powder
(1) 7.62 x 51-mm, 149-grain M80 FMJ	LC/14	Military	N133

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 2:25 PM; Block No. WC074193; Temp: 91.2 °F; Drop Depths: 20.1 mm, 18.1 mm, 18.5 mm, 20.2 mm, 19.4 mm
(1) NIJ-STD-0101.07 Level RF2 (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	40.9	148.0	5445	2755	5206	2753	2754	None	32.6	0.0	
2	1	40.9	147.6	5421	2767	5184	2765	2766	None	38.6	0.0	
3	1	40.9	147.8	5433	2761	5196	2758	2760	None	37.6	0.0	

Remarks:
Required Velocity: 2750 - 2810 ft/s.
Projectile yaw check: 0° yaw on all impacts.

Footnotes:
N/A