



Ballistic Resistance Test

SMS Testing

201 McNamee Ln.
Rising Sun, MD 21911

Client: Invictus Templar

Job No.: 290-1867

Test Date: 7/1/2026

Test Panel Description: Hard armor torso plate tested standalone; Series: Aegis Ultralight Polyethylene, Lot: 33000, Model: INV-SIL-PE-RF2.

Manufacturer: Invictus Templar

Sample No.

dcca-476c-b6f6-86c6a45c2786 (M855, V0)

Size: 10.00" x 12.00" Single Curved

Weight:

3.68 lbs

Setup

Shot Spacing:	Per Customer Request	Muzzle to Target (ft):	25	Range No.	1
Witness Panel:	Roma Plastalina #1	Target to Witness (in):	N/A	Temp:	70°F
Backing Material:	5.5" of Clay w/ Plywood	VS Screen 1 (ft):	5	RH:	58%
Condition:	Ambient	VS Screen 2 (ft):	20	Barrel/Gun:	5.56x45
		Midpoint to Target (ft):	12.5	Technician:	Tim
				Range Manager:	Johnny

Ammunition

Projectile		Manufacturer / Lot No.	Powder
1	5.56mm M855	Military	N110
2			
3			

Applicable Standards or Procedure**Clay**

1	NIJ Standard 0101.07 Mod. (RF2)	Drops:	19, 17.5, 16.5, 17.4, 16.9 mm
2	Per Customer Request	Temp:	91.9°F
3		Block No:	10

Shot Table

Shot No.	Ammo	Weight (Gr)	Time 1 (sec)	Vel. 1 (ft/s)	Time 2 (sec)	Vel. 2 (ft/s)	Velocity Average (ft/s)	Velocity Striking (ft/s)	Penetration	BFD (mm)	Obliq.	Notes
1	1	62.7	0.001602	3122	0.004809	3119	3120.5	3121	Partial	41.2	0°	
2	1	63.1	0.001597	3131	0.004798	3126	3128.5	3129	Partial	40.9	0°	
3	1	62.7	0.001609	3108	0.004832	3104	3106.0	3106	Partial	40.5	0°	

Remarks

Remarks: Required Velocity: 3115 ± 30 ft./s.
Yaw Check: 0° on impacted areas.

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