



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: Dominus Lightweight Steel, Lot: 052025, Model: INV-700-STL-III.

Manufacturer: Invictus Templar Sample No. 7042-4024-aeaa-25bad0f07982 (Multi, V0)
Size: 10.00" x 12.00" Spall Curved Weight: 7.52 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: 71°F
Backing Material: 5.5" of Clay w/ Plywood VS Screen 1 (ft): 5 RH: 61%
Condition: Ambient VS Screen 2 (ft): 20 Barrel/Gun: Multi
Midpoint to Target (ft): 12.5 Technician:
Range Manager: Johnny

Ammunition

Projectile		Manufacturer / Lot No.		Powder
1	7.62x51 M80 Ball FMJ (NATO)	Military		N133
2	7.62x39 MSC Type 56	Factory 31		N110
3	5.56mm M193	Military		N110
4	5.56mm M855	Military		N110

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	148	0.001786	2799	0.005361	2798	2798.5	2799	Partial	26.0	0°	
2	2	122.2	0.002089	2393	0.006276	2390	2391.5	2392	Partial	12.9	0°	
3	3	55	0.001529	3270	0.004591	3267	3268.5	3269	Partial	15.6	0°	
4	4	62.8	0.001602	3121	0.004812	3117	3119.0	3119	Partial	5.4	0°	

Remarks

Remarks: Required Velocity M80 Ball: 2780 ± 30 ft./s.
Required Velocity MSC Type 56: 2400 ± 30 ft./s.
Required Velocity M193: 3250 ± 30 ft./s.
Required Velocity M855: 3115 ± 30 ft./s.
Yaw Check: 0° on impacted areas.

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