

# BALLISTIC RESISTANCE TEST

**NTS-Chesapeake Testing**  
 4603B Compass Point Road  
 Belcamp, MD 21017

Test Date: 08/05/2021 - 08/06/2021  
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**Test Panel** Description: Rigid Armor.

**Sample No.:** Modular Panel 1

Size: 16.00 x 16.00 in Avg. Thickness: 0.667 in Thicknesses: 0.663 in, 0.667 in, 0.668 in, 0.669 in	Weight: 5.360 lbs Plies/Laminates: N/A	Date Received: 08/04/2021 Received Via: UPS Ground Returned Via: UPS Ground
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**Setup**

Shot Spacing: NIJ-STD-0108.01 Level III Witness Panel: 0.02 in 2024-T3 Aluminum Backing Material: N/A Condition: Ambient	Primary Vel. Screens (ft): 6.500, 9.500 Primary Vel. Location (ft): 8.000 Range to Target (ft): 50.000 Target to Witness (in): 6.000	Range No.: Range 2 Temp: 66.1 °F BP: 30 inHg RH: 43.1 % Barrel/Gun: WC020650 Gunner: Cody Schilling Recorder: Matt Skrocki
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**Ammunition**

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

**Applicable Standards or Procedures**

- (1) NIJ-STD-0108.01 Level III
- (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	37.3	149.0	1097	2735	1097	2735	2735	None	NA	0.0	
2	1	37.3	149.0	1097	2735	1097	2735	2735	None	NA	0.0	
3	1	37.3	149.0	1097	2735	1095	2740	2737	None	NA	0.0	
4	1	37.3	149.0	1093	2745	1093	2745	2745	None	NA	0.0	
5	1	37.3	149.0	1088	2757	1085	2765	2761	None	NA	0.0	

Remarks:  
 Required Velocity: 2750 ± 50 ft/s.

Footnotes:  
 N/A