

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: ShotStop Ballistics, LLC
Job No.: 2631-051-3
Test Date: 12/5/2019

Test Panel

Description: Torso plate tested stand alone. Plate Size: SH3+10x12MC; Model #: D1652SSB.

Manufacturer: ShotStop Ballistics, LLC

Sample No.: 01-04-19-847

Size: 10.00 x 12.00 in
Avg. Thick: NA
Thickness: NA

Weight: 2.73 lbs
Plies/Laminates: NA

Date Received: 8/28/2019
Via: UPS
Returned: UPS

Setup

Shot Spacing: NIJ-STD-0101.07 Level RF1 (Modified)
Witness Panel: Clay
Backing Material: 5.5-in clay/plywood
Condition: Ambient

Primary Vel. Screens (ft): 5.000, 5.333, 19.667, 20.000
Primary Vel. Location (ft): 12.500
Range to Target (ft): 25.000
Target to Witness (in): 0.000

Range No.: 2
Temp: 66.5 °F
BP: 29.7 inHg
RH: 39.8%
Barrel/Gun: Test Barrel
Gunner: Austin Blake
Recorder: Jesse Fulk

Ammunition

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

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 11:05 AM; Block No. 26; Temp: 91.7 °F; Drop Depths: 26.9mm, 26.4mm, 26.8mm
(1) NIJ-STD-0101.07 Level RF1 (Modified)
(2) Customer request

Shot No.	Ammo	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	148.0	5379	2789	5135	2791	2790	None	34.3	0.0	
2	1	148.0	5365	2796	5123	2798	2797	None	36.3	0.0	
3	1	148.0	5374	2791	5130	2794	2793	None	NA	0.0	
4	1	148.0	5323	2818	5084	2819	2819	None	NA	0.0	
5	1	148.0	5343	2807	5103	2809	2808	None	NA	0.0	
6	1	148.0	5357	2800	5116	2802	2801	None	NA	0.0	

Remarks:

Required velocity: 2780 ± 30 ft/s

Footnotes: