

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: ShotStop Ballistics, LLC

Job No.: 2631-051-2

Test Date: 12/5/2019

Test Panel

Description: Torso plate tested stand alone. Plate Size: PS1RF1-10x12SHSC; Model #: PS1RF1SC.

Manufacturer: ShotStop Ballistics, LLC

Sample No.: 01-04-19-830

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

Weight: 3.07 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: 66.9 °F
BP: 29.7 inHg
RH: 40.0%
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: 10:52 AM; Block No. 3; Temp: 89.0 °F; Drop Depths: 24.3mm, 26.8mm, 24.7mm

(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	5355	2801	5113	2803	2802	None	34.5	0.0	
2	1	148.0	5370	2793	5128	2795	2794	None	35.1	0.0	
3	1	148.0	5360	2799	5118	2801	2800	None	NA	0.0	
4	1	148.0	5418	2769	5174	2770	2769	None	NA	0.0	
5	1	148.0	5370	2793	5128	2795	2794	None	NA	0.0	
6	1	148.0	5377	2790	5135	2791	2790	None	NA	0.0	

Remarks:

Required velocity: 2780 ± 30 ft/s

Footnotes: