

# BALLISTIC RESISTANCE TEST

## NTS-Chesapeake Testing

4603B Compass Point Road  
Belcamp, MD 21017

Client: ShotStop Ballistics, LLC

Job No.: 2631-051-1

Test Date: 12/6/2019

### Test Panel

Description: Torso plate tested stand alone. Plate Size: PS1RF1-10x12HSC; Model #: PS1RF1SC. Lot #: 1-12+19

Manufacturer: ShotStop Ballistics, LLC

Sample No.: 01-04-19-829

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

Weight: 3.10 lbs  
Plies/Laminates: NA

Date Received: 12/2/2019  
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: 29.9 inHg  
RH: 37.8%  
Barrel/Gun: Test Barrel  
Gunner: Austin Blake  
Recorder: Jesse Fulk

### Ammunition

Projectile	Lot No.	Powder
(1) 5.56 x 45-mm, 55-grain M193 Ball	Military	N 110

### Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 9:59 AM; Block No. 26; Temp: 87.9 °F; Drop Depths: 25.7mm,24.2mm,24.6mm

(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	55.0	4613	3252	4403	3255	3254	None	24.1	0.0	
2	1	55.0	4618	3248	4408	3252	3250	None	29.1	0.0	
3	1	55.0	4613	3252	4405	3254	3253	None	NA	0.0	
4	1	55.0	4613	3252	4405	3254	3253	None	NA	0.0	
5	1	55.0	4615	3250	4410	3250	3250	None	NA	0.0	
6	1	55.0	4613	3252	4405	3254	3253	None	NA	0.0	

#### Remarks:

Required velocity: 3250 ± 30 ft/s

#### Footnotes: